SSD
ENCRYPTION
USB
MEMORY
CARDS
DRAM

Digital Memory
Product Guide

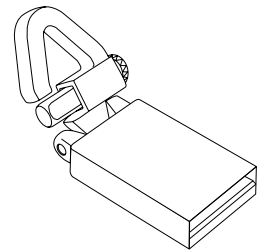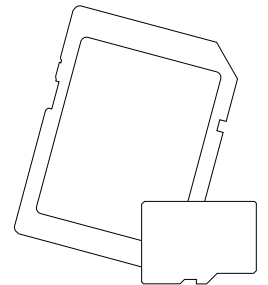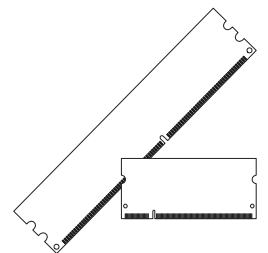**integral**™

About **Integral**

Integral Memory is a brand of Integral Memory plc, a company founded in 1989 in the UK as the era of the PC was just being established. We began by supplying memory for very early PCs and data systems. Later in 1999 we began producing some of the very first memory cards and USB drives for the fast growing digital technology market.

Today, Integral Memory produces a wide range of memory and storage products including; DRAM, memory cards, USB Flash Drives and Solid State Drives (SSD). We have also developed a specialism in producing AES 256-bit hardware encrypted USB and SSD. All our products are fully warranted and supported.

We operate from facilities in the UK (design, R&D and testing); we have further offices in France, Spain, The Netherlands and UAE. Our products are sold by resellers in more than 50 countries and are trusted by large corporates, government departments and educational institutions.

Our passion is to bring you the latest memory products built on quality, reliability and great pricing.

Introducing **Integral LED**

An Integral LED division was created in 2013 to sell and support LED lighting products by building on our 25 years of experience in technology and semiconductor products. An LED chip and flash chips used to make memory products are both semiconductors. We are meeting the challenge to create a comprehensive range of well-priced, innovative, low energy LED products that perform, saving you energy and money, as well as benefiting the environment.

Visit our new website www.integral-LED.com
Become an Integral LED reseller.

Crypto SSD

BIOS Independent
Crypto SSD security system runs independently of your system BIOS, unlike other hardware encrypted SSDs

FIPS VALIDATED 140-2

OPAL Compliant
Specification Available

Full Disc Encryption with no licensing or subscription fees.

Crypto SSD SATA III 2.5" (6Gbps)

Crypto SSD is the **Full Disk Encryption** solution for Windows desktops and laptops. Featuring **AES 256-bit Hardware Encryption** so you can encrypt and protect your sensitive data and get the speed, reliability and power benefits of SSD. Once encryption is set, a valid user name and password is required to access the Crypto SSD prior to system boot (before Windows loads).

- **Rugged Design** - The electronics are sealed in tamper-free epoxy resin and then shielded by a metal outer case
- **High-speed Read/Write** - up to 450MB/s
- **Quick Boot** - Using a solid state disk in place of a traditional hard drive can cut your desktop computer or laptop's boot time in half
- **Shockproof** - no moving parts, so a greater resistance to shock and vibration than HDD
- **Ultra-slim form factor (7mm)** - Ideal for the latest slimline laptops, 7mm ➔ 9mm adapter also included
- **Silent operation** - no spin or seek time
- **Low heat** - a more comfortable user experience
- **Low power usage** - laptop battery will last far longer with SSD than HDD

- **Endpoint security software compatible** - The Integral Crypto SSD operates comfortably with endpoint security solutions by using the configurable unique ID feature, which is part of the software
- **OPAL compliant specification available** - please contact sales team for information
- Warranty - 3 Years

Ultra Fast   Low Power Use   Zero Noise   Shockproof

Crypto SSD SATA III - FIPS 140-2	
64GB	INSSD64GS625M7CR140
128GB	INSSD128GS625M7CR140
256GB	INSSD256GS625M7CR140
512GB	INSSD512GS625M7CR140
1TB	INSSD1TS625M7CR140

Crypto mSATA / M.2 SATA III (6Gbps)

Crypto mSATA / M.2 SSD is the **Full Disk Encryption** solution for small form factor Windows laptops and UltraBooks. Featuring **AES 256-bit Hardware Encryption** so you can encrypt and protect your sensitive data and get the speed, reliability and power benefits of SSD. Once encryption is set, a valid user name and password is required to access the Crypto SSD prior to system boot (before Windows loads).

- **Secure Design** - the electronics are sealed in tamper-free epoxy resin
- **High-speed Read/Write**
- **Quick Boot** - Using a solid state disk in place of a traditional hard drive can cut your desktop computer or laptop's boot time in half
- **Shockproof** - no moving parts, so a greater resistance to shock and vibration than HDD
- **Silent operation** - no spin or seek time
- **Low heat** - a more comfortable user experience
- **Low power usage** - laptop battery will last far longer with SSD than HDD
- **Endpoint security software compatible** - The Integral Crypto SSD operates comfortably with endpoint security solutions by using the configurable unique ID feature, which is part of the software
- Warranty - 3 Years

BIOS Independent
Crypto SSD security system runs independently of your system BIOS, unlike other hardware encrypted SSDs

Ultra Fast   Low Power Use   Zero Noise   Shockproof

Crypto mSATA SSD - FIPS 140-2

32GB	INSSD32GMSA6MCR140
64GB	INSSD64GMSA6MCR140
128GB	INSSD128GMSA6MCR140
256GB	INSSD256GMSA6MCR140

Crypto M.2 SATA 22X60

128GB	INSSD128GM2M2260C140
256GB	INSSD256GM2M2260C140
512GB	INSSD512GM2M2260C140

Crypto M.2 SATA 22X80

64GB	INSSD64GM2M2280C140
128GB	INSSD128GM2M2280C140
256GB	INSSD256GM2M2280C140

Crypto SSD

Why choose hardware encryption over software encryption?

The major difference between hardware encryption and software encryption is that with hardware based encryption, the encryption and decryption processes are carried out by a dedicated processor (part of the Integral Crypto hardware). In software encryption, the resources of the device on which the software is installed are used for the encrypting and decrypting of data. This makes hardware encryption much faster. Another significant advantage of hardware encryption is that the cryptographic key is stored in a separate inaccessible portion of memory storage, making it far more secure than software encryption.

What is the difference between FIPS 140-2 and FIPS 197 certification?

FIPS 197 certification looks at the hardware encryption algorithms used to protect the data. FIPS 140-2 is the next more advanced level of certification. FIPS 140-2 includes a rigorous analysis of the product's physical properties. So, with a FIPS 140-2 certified Integral SSD, the tamper-proof design of the circuit board has been approved, as well as the data encryption.

Crypto SSDs are used and trusted worldwide by government departments, global corporations and SMEs.

SSD for Servers

Enterprise Series SATA III 2.5" (6Gbps)

The Enterprise SSD features consistently low latency with a superior level of sustained write IOPS, together with high write endurance and power-loss protection. The SSD hardware is built with a number of capacitors that ensure that the data in the write cache of the SSD is protected against corruption if a power loss was to occur, enabling the SSD to complete the last write command to the NAND flash.

- Higher performance storage
- Reduced latencies
- Sustained write IOPS
- Lower Power Consumption
- Non-volatile Flash Memory for outstanding data retention - Less likely to fail than HDD
- Silent operation
- Low heat dissipation

Ultra Fast   Low Power Use   Zero Noise   Shockproof

Enterprise Series SATA III 2.5"	
120GB	INSSD120GS625M7XE1
240GB	INSSD240GS625M7XE1
480GB	INSSD480GS625M7XE1
960GB	INSSD960GS625M7XE1

SSD for Desktop and Notebook Computers

P Series 3 SATA III 2.5" (6Gbps)

The Integral P Series 3 SSD combines enterprise class performance and reliability with low power operation to make the ideal hard disk replacement. The high read and write performance of the P Series 3 SSD will satisfy the most demanding power user and gamer. The low power consumption extends battery life to increase productivity whilst on the move.

- 2.5 inch form factor with SATA III 6Gbps interface (backwards compatible with SATA 3Gbps and SATA 1.5Gbps)
- Fully compatible with devices and OS that support the SATA standard
- Non-volatile Flash Memory for outstanding data retention
- Ultra-efficient Block Management and Wear Leveling
- Supports S.M.A.R.T. - Self-Monitoring, Analysis and Reporting Technology
- Advanced SandForce 2281 controller technology
- 3 Year Warranty

Series 3
SATA III 6Gb/s

SandForce DRIVEN
LSI

Ultra Fast   Low Power Use   Zero Noise   Shockproof

P Series 3 SATA III 2.5"	
120GB	INSSD120GS625M7XP3
240GB	INSSD240GS625M7XP3
480GB	INSSD480GS625M7XP3

mSATA MO-300 / M.2 SATA III (6Gbps)

Integral's mSATA and M.2 SATA SSD storage solutions are designed for Notebooks, Desktops, Ultrabooks and tablets. They address the need for more low powered compact storage without compromising performance and reliability of solid state drives.

- mSATA and M.2 (22x42, 22x60, 22x80) SSD form factor with SATA III 6Gbps interface (backwards compatible with SATA 3Gbps and SATA 1.5Gbps)
- M.2 SSD supports 'M' & 'B' Key sockets
- Performance: Faster boot than HDD, Faster access to applications, enhanced productivity and increased efficiency
- 3 Year Warranty

Ultra Fast   Low Power Use   Zero Noise   Shockproof

mSATA		M.2 SATA 6GBPS 22X42	
32GB	INSSD32GMSA6M	64GB	INSSD64GM.26M2242
64GB	INSSD64GMSA6M	128GB	INSSD128GM.26M2242
128GB	INSSD128GMSA6M		
256GB	INSSD256GMSA6M		

M.2 SATA 6GBPS 22X60		M.2 SATA 6GBPS 22X80	
64GB	INSSD64GM.26M2260	64GB	INSSD64GM.26M2280
128GB	INSSD128GM.26M2260	128GB	INSSD128GM.26M2280
256GB	INSSD256GM.26M2260	256GB	INSSD256GM.26M2280
512GB	INSSD512GM.26M2260		

SSD - **Solid State Drives (PATA)**

Z Series PATA 2.5"

The Z Series SSD from Integral is the ideal hard disk replacement when reliability and speed are the key factors. Boot and shut down your system faster, and enjoy more responsive programs. With no moving parts, zero noise and low power consumption, this is the ideal cost effective upgrade for your laptop or desktop.

- PATA IDE Interface
- Performance: Faster startup/boot and Read/Write speeds (compared to HDD). Faster Access to applications, enhanced productivity and increased efficiency.
- No mechanical parts
- Highest reliability

- Extreme shock resistance
- Zero noise
- No heat generation
- Low power consumption - improved battery lifetime on Laptop

Ultra Fast   Low Power Use   Zero Noise   Shockproof

Z Series PATA 2.5"

64GB	INSSD64GP25MXZ
128GB	INSSD128GP25MXZ
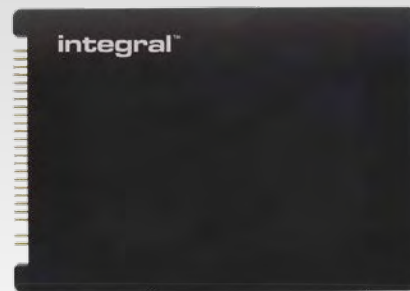
Z Series PATA ZIF 1.8"

The Z Series SSD from Integral is the ideal hard disk replacement when reliability and speed are the key factors. Boot and shut down your system faster, and enjoy more responsive programs. With no moving parts, zero noise and low power consumption, this is the ideal cost effective upgrade for your laptop or desktop.

- PATA Interface with ZIF (Zero Insertion Force) Connector
- Performance: Faster start-up/boot and Read/Write speeds (compared to HDD). Faster Access to applications, enhanced productivity and increased efficiency.
- No mechanical parts
- Highest reliability
- Extreme shock resistance
- Zero noise
- No heat generation
- Low power consumption - improved battery lifetime on laptops

Ultra Fast   Low Power Use   Zero Noise   Shockproof

Z Series PATA ZIF 1.8"

64GB	INSSD64GP18MXZ
128GB	INSSD128GP18MXZ

PATA DOM

The easiest way to add SSD reliability and speed direct to your motherboard. The Integral PATA DOM (PATA Flash Module) can be inserted directly onto the motherboard via any PATA IDE interface to replace an HDD. Ideal for applications where reliability, speed, low power consumption and zero noise are paramount. This product offers designers an easy solution to integrate SSD into PC-based systems.

- IDE Interface (female) 40 pin or 44 pin with PATA Control Signal
- Available in Vertical or Horizontal versions (All 40 pin PATA DOM are supplied with 4 pin LP4 power connector)
- User can set to Master or Slave (using jumper pins. just like HDD)
- Also known as PATA Flash Module (AFM)

Ultra Fast   Low Power Use   Zero Noise   Shockproof

PATA DOM

8GB - 64GB
See Integral Memory website for part codes

SSD - Portable USB 3.0

Portable SSD

The Integral Portable SSD brings together the reliable and ultra-fast combination of SSD and USB 3.0, in a lightweight credit-card sized enclosure. With speeds up to 230 MB/s* you can move, copy and backup large amounts of data faster than ever before at the office, home or on the move.

- USB 3.0 data transfer
- Backwards compatible with USB 2.0 devices
- Lightweight and compact, credit-card size casing
- Powered by USB port, no external power is required.

- USB cable included
- Read speed up to 230 MB/s*
- Write speed up to 140 MB/s*

Ultra Fast   Low Power Use   Zero Noise   Lightweight   Shockproof

USB 3.0

Portable SSD

128GB	INSSD128GPORTABLE3.0
256GB	INSSD256GPORTABLE3.0
512GB	INSSD512GPORTABLE3.0
1TB	INSSD1TPORTABLE3.0

* Based on internal testing

USB 3.0

NEW

Courier Dual USB 3.0 FIPS 197

- **Dual password / Master password override** in addition to a high-strength user password. If a user forgets their password the Courier Dual can be accessed with a master password by an IT administrator (optional)
- **AES 256-bit hardware encryption**
- **FIPS 197 Validated** - Certificate No. 2590
- **USB 3.0 SuperSpeed data transfer** - with compatible PC/Mac hardware
- **Secure Entry** - Data cannot be accessed or removed without the correct high strength 8-16 character password
- **Brute-force Password Attack Protection** - Data will be automatically erased after 6 failed access attempts and Drive reset
- **Dual OS** - Compatible with both Windows and Mac
- **Zero Footprint** - No software installation required
- **Multi-lingual interface** and a simple user interface for "out of the box" use

Courier USB 3.0 FIPS 197

- Feature set as above
- Single user password

USB 3.0   **Cap Storage**

Courier Dual USB 3.0 / Courier USB 3.0 FIPS 197		
	Courier Dual 3.0 FIPS 197	*Courier 3.0 FIPS 197*
8GB	INFD8GCOUDL3.0-197	INFD8GCOU3.0-197
16GB	INFD16GCOUDL3.0-197	INFD16GCOU3.0-197
32GB	INFD32GCOUDL3.0-197	INFD32GCOU3.0-197
64GB	INFD64GCOUDL3.0-197	INFD64GCOU3.0-197

USB 2.0

Crypto Dual FIPS 140-2 & FIPS 197

- **Dual password / Master password override** in addition to a high-strength user password. If a user forgets their password the Crypto Dual can be accessed with a master password by an IT administrator (optional)
- **Dual OS -** Compatible with both Windows and Mac
- **AES 256-bit hardware encryption**
- **FIPS 140-2/FIPS 197 Validated -** Certificate No. 1821/1137
- **Secure Entry -** Data cannot be accessed without the correct high strength alphanumeric 8-16 character password. A password hint option is available. The password hint cannot match the password
- **Brute-Force Password Attack Protection -** Data is automatically erased after 6 failed access attempts. The data and encryption key are securely destroyed and the Crypto Drive is reset
- **Auto-lock -** The Crypto Drive will automatically encrypt all data and lock when removed from a PC or when the screen saver or "computer lock" function is activated on the host PC
- **Password Entry Count -** The Crypto Drive records the failed entry count. e.g. if the Crypto is removed after 2 failed attempts and reinserted, the drive will resume with the 3rd attempt
- **Unique number -** The USB pin on each drive is etched with a unique and random 7-digit code. This allows a record to be kept of which drive has been allocated to a specific user
- **Rugged triple-layer waterproof design -** Protects the Crypto Drive against knocks, drops, break-in and submerging in water. The electronics are sealed in epoxy resin and then shielded by a steel inner case. The rubberised silicone outer casing provides a final layer of protection
- **Multi-lingual interface** and a simple user interface for "out of the box" use

Unique ID available for use with Endpoint system, see page 31

Crypto Dual - FIPS 140-2	
2GB	INFD2GCRYPTODL140-2
4GB	INFD4GCRYPTODL140-2
8GB	INFD8GCRYPTODL140-2
16GB	INFD16GCRYPTODL140-2
32GB	INFD32GCRYPTODL140-2

Crypto Dual - FIPS 197	
2GB	INFD2GCRYPTODL197
4GB	INFD4GCRYPTODL197
8GB	INFD8GCRYPTODL197
16GB	INFD16GCRYPTODL197
32GB	INFD32GCRYPTODL197

Crypto Dual + FIPS 140-2 & FIPS 197

- Feature set as above
- Expanded design allows for massive storage capacity of 64GB and 128GB
- 4-Channel access for faster read/ write

USB 2.0   **Shockproof**   **Key Chain**   **Waterproof**

Crypto Dual Plus - FIPS 140-2	
64GB	INFD64GCRYDLPL140-2
128GB	INFD128GCRYDLPL140-2

Crypto Dual Plus - FIPS 197	
64GB	INFD64GCRYDLPL197
128GB	INFD128GCRYDLPL197

Crypto Drive FIPS 140-2 / FIPS 197

- **AES 256-bit hardware encryption**
- **FIPS 140-2/FIPS 197 Validated -** Certificate No. 1821/1137
- **Dual OS (FIPS 197 only) -** Compatible with both Windows and Mac
- **Secure Entry -** Data cannot be accessed without the correct high strength alphanumeric 8-16 character password. A password hint option is available. The password hint cannot match the password
- **Brute-Force Password Attack Protection -** Data is automatically erased after 6 failed access attempts. The data and encryption key are securely destroyed and the Crypto Drive is reset
- **Auto-lock -** The Crypto Drive will automatically encrypt all data and lock when removed from a PC or when the screen saver or "computer lock" function is activated on the host PC
- **Zero Footprint -** No software installation required
- **Password Entry Count -** The Crypto Drive records the failed entry count. e.g. if the Crypto is removed after 2 failed attempts and reinserted, the drive will resume with the 3rd attempt
- **Unique number (FIPS 140-2 only)** - The USB pin on each drive is etched with a unique and random 7-digit code. This allows a record to be kept of which drive has been allocated to a specific user
- **Rugged triple-layer waterproof design** - Protects the Crypto Drive against knocks, drops, break-in and submerging in water. The electronics are sealed in epoxy resin and then shielded by a steel inner case. The rubberised silicone outer casing provides a final layer of protection
- **Multi-lingual interface** and a simple user interface for "out of the box" use
*Up to 4 ft. water; conforms to IEC 60529 IPX8

USB 2.0 Shockproof Key Chain Waterproof

FIPS VALIDATED 140-2

197 FIPS AES Encryption Approved Federal Information Processing Standards

integralmemory.com/video

Crypto Drive - FIPS 140-2 / FIPS 197

	Crypto FIPS 140-2	*Crypto FIPS 197*
2GB	INFD2GCRYPTO140-2	INFD2GCRYPTO197
4GB	INFD4GCRYPTO140-2	INFD4GCRYPTO197
8GB	INFD8GCRYPTO140-2	INFD8GCRYPTO197
16GB	INFD16GCRYPTO140-2	INFD16GCRYPTO197
32GB	INFD32GCRYPTO140-2	INFD32GCRYPTO197

Courier FIPS 197

The best selling Integral Courier is available in an Advanced Encryption Standard (AES) Security Edition.

- **AES 256-bit hardware encryption**
- **FIPS 197 Validated** - Certificate No. 1137
- **Secure Entry** - Data cannot be accessed or removed without the correct high strength 8-16 character password
- **Brute-force Password Attack Protection** – Data will be automatically erased after 6 failed access attempts and Drive reset
- **Zero Footprint** – No software installation required
- **Multi-lingual interface** and a simple user interface for "out of the box" use
- Cap stores in base when Drive is in use
- 2 year warranty

197 FIPS AES Encryption Approved Federal Information Processing Standards

USB 2.0 Cap Storage

Courier - FIPS 197

2GB	INFD2GBCOUAT
4GB	INFD4GBCOUAT
8GB	INFD8GBCOUAT
16GB	INFD16GBCOUAT
32GB	INFD32GBCOUAT

Crypto

Specs	Crypto 140-2	Crypto 197	Crypto Dual 197/140-2	Crypto Dual+ 197/140-2	Courier Dual 3.0 197	Courier 3.0 197
Available Capacities	2GB, 4GB, 8GB, 16GB, 32GB	2GB, 4GB, 8GB, 16GB, 32GB	2GB, 4GB, 8GB, 16GB, 32GB	64GB, 128GB	8GB, 16GB, 32GB, 64GB	8GB, 16GB, 32GB, 64GB
AES 256-bit hardware encryption	✓	✓	✓	✓	✓	✓
FIPS Validation and Certificate number	FIPS 140-2 Level 2 Certificate No. 1424	FIPS 197 Certificate No. 1137	FIPS 197/140-2 Level 2 Certificate No. 1137/ 1821	FIPS 197/140-2 Level 2 Certificate No. 1137/ 1821	FIPS 197 Certificate No. 2590	FIPS 197 Certificate No. 2590
Mandatory encryption of all files	✓	✓	✓	✓	✓	✓
USB	2.0	2.0	2.0	2.0	3.0	3.0
Zero Footprint - No software required	✓	✓	✓	✓	✓	✓
Compatible with Endpoint security systems	✓	✓	✓	✓	✓	✓
Works on Windows without administrator privileges	✓	✓	✓	✓	✓	✓
Works on Mac OS X without administrator privileges	-	✓	✓	✓	✓	✓
Secure Entry - Password Mandatory	✓	✓	✓	✓	✓	✓
High-Strength Password Enforcement	✓	✓	✓	✓	✓	✓
Brute-Force Password Attack Protection	✓	✓	✓	✓	✓	✓
Auto-Lock	✓	✓ [1]	✓ [1]	✓ [1]	✓ [1]	✓ [1]
Password Entry Count	✓	✓	✓	✓	✓	✓
Personal ID Function	✓	✓	✓	✓	✓	✓
Rugged triple-layer waterproof design	✓	✓	✓	✓	-	-
User manual stored on drive	✓	✓	✓	✓	✓	✓
Multi-lingual interface	24 Languages	24 Languages	26 Languages	26 Languages	26 Languages	26 Languages
Dual Password	-	-	✓	✓	✓	-
Dual OS - PC & Mac compatible	-	✓	✓	✓	✓	✓
4 Channel access (faster read & write speeds)	-	-	-	✓	-	-
Serial Number Etching	✓	available on request	✓	✓	-	-

[1] Locks if PC is idle for more than 10 mins

What is FIPS?

FIPS (Federal Information Processing Standards) is a US & Canadian certification which is recognised around the world as AES compliant devices that can be utilized by Federal agencies or departments for the purpose of protecting sensitive data.

For more on FIPS, please see page 4

What is AES Hardware Encryption?

AES stands for Advanced Encryption Standard. Many government bodies around the world have adopted this encryption model. Integral Encrypted USB Flash Drives use the highest 256-bit AES encryption key.

Unique ID available for use with Endpoint software, see page 31

Secure Key Encrypted USB

With its stylish stainless steel finish and capless design, Secure Key is a great match for your PC and Mac. Its durable design also means that it can safely be fastened to your key-chain. Built-in 256-bit AES Encryption Software allows you to perform secure drag and drop encryption on the fly, with no need for additional utilities.

- Stainless steel casing
- 'Secure Lock II' 256-bit AES encryption software
- PC and Mac compatible
- 2 year warranty

USB 2.0   Capless

Secure Key
USB Flash Drive

SECURE LOCK II
PC & MAC 256-BIT ENCRYPTION SOFTWARE

Secure Key Encrypted USB	
8GB	INFD8GBKEYSEC
16GB	INFD16GBKEYSEC
32GB	INFD32GBKEYSEC

UP TO
230MB/s READ*
160MB/s WRITE*

CERTIFIED USB

UP TO
180MB/s READ*
80MB/s WRITE*

CERTIFIED USB
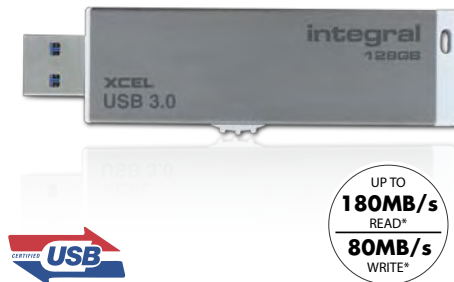
Titan USB 3.0

Titan USB 3.0 Flash Drive brings together massive capacity with superfast USB 3.0 speeds. Save time by transferring and backing up large files such as HD video and databases faster than ever before. The Titan is built with a robust metal case and premium components to maximise performance. Optional AES 256-bit encryption software included to encrypt and protect your senstive data.

- Up to 230 MB/s* Read / 160 MB/s* Write
- Aluminium casing
- PC and Mac compatible
- Includes 'Secure Lock II' 256-bit AES encryption software
- 2 year warranty

SECURE LOCK II
PC & MAC 256-BIT ENCRYPTION SOFTWARE

USB 3.0   Cap Storage

Titan 3.0	
256GB	INFD256GBTTNBK3.0

Xcel USB 3.0

USB 3.0 Xcel - our superfast, premium USB Flash Drive. Minimise your waiting times with blistering data transfer speeds; read (up to 180MB/s*) and write (up to 80MB/s*) capabilities, which is faster than many current USB 3.0 drives.

- USB 3.0 SuperSpeed
- Premium components for boosted performance
- Read speed up to 180 MB/s* and a Write speed up to 80 MB/s*
- USB 3.0 works in USB 2.0 compatible computers (at USB 2.0 transfer speed)
- PC and Mac compatible
- Includes 'Secure Lock II' 256-bit AES encryption software
- 2 year warranty

SECURE LOCK II
PC & MAC 256-BIT ENCRYPTION SOFTWARE

USB 3.0   Capless

Xcel 3.0	
32GB	INFD32GBXCE3.0
64GB	INFD64GBXCE3.0
128GB	INFD128GBXCE3.0

Secure 360 USB 3.0

The Integral Secure 360 Flash Drive has a clever design allowing the USB socket to rotate 360° inside the casing, providing easy access to your data and eliminating the need for a cap.

- Capless design, casing rotates 360°
- Includes 'Secure Lock II' 256 bit encryption software
- 2 year warranty

USB 3.0   Capless

SECURE LOCK II
PC & MAC 256-BIT ENCRYPTION SOFTWARE

Secure 360 USB 2.0

- USB 2.0

USB 2.0   Capless

Secure 360 3.0	
8GB	INFD8GB360SEC3.0
16GB	INFD16GB360SEC3.0
32GB	INFD32GB360SEC3.0
64GB	INFD64GB360SEC3.0

Secure 360	
4GB	INFD4GB360SECV2
8GB	INFD8GB360SECV2
16GB	INFD16GB360SECV2
32GB	INFD32GB360SECV2
64GB	INFD64GB360SECV2

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* Based on internal testing

Micro Fusion USB 2.0 OTG

The Integral Micro Fusion USB 2.0 OTG Flash Drive is low-profile and features dual USB connectors, so you can transfer data and media files between your devices in a fast, convenient way.

• For use with USB OTG (On-The-Go) compatible Android™ smartphones and tablets.

USB 2.0   Cap Storage

Micro Fusion USB 2.0	
8GB	INFD8GBMIC-OTG
16GB	INFD16GBMIC-OTG
32GB	INFD32GBMIC-OTG
64GB	INFD64GBMIC-OTG

Slide USB 3.0 OTG

The Integral Slide USB 3.0 OTG features dual USB connectors, so you can move data and media files between your devices in a fast, convenient way. A full-sized USB connector provides USB to PC/Mac data transfer and a micro USB connector enables USB On-The-Go; so you can transfer your files from PC/Mac to compatible smartphones and tablet PCs.

• USB 3.0 SuperSpeed
• Read speed up to 80 MB/s*, and a Write speed up to 18 MB/s*
• USB 3.0 works in USB 2.0 compatible computers (at USB 2.0 transfer speed)
• PC and Mac compatible
• 2 year warranty

UP TO **80MB/s** READ*
18MB/s WRITE*

USB 3.0   Capless

Slide USB 3.0 OTG	
16GB	INFD16GBSLDOTG3.0NRP
32GB	INFD32GBSLDOTG3.0NRP
64GB	INFD64GBSLDOTG3.0NRP

micro USB connector   USB 3.0 connector

USB OTG Adapter + Fusion

With the Integral OTG Adapter and Fusion USB bundle you can transfer files to and from your USB to a compatible smartphone and tablet PC. The OTG Adapter features a micro USB connector that will convert any Flash Drive to a USB On-The-Go drive, so you can enjoy more content on your portable device and save time transferring files between phone, tablet and personal computer.
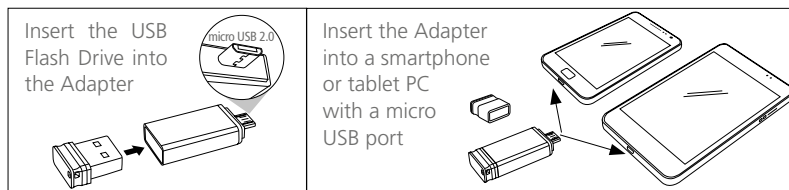
OTG Adapter
• Data transfer at USB 2.0 speeds

Fusion USB 2.0
• Low-profile casing
• Smallest USB Flash Drive in the Integral range
• PC and Mac compatible
• 2 year warranty

USB 2.0

USB OTG Adapter + Fusion	
4GB	INFD4GBFUSOTGADNRP
8GB	INFD8GBFUSOTGADNRP
16GB	INFD16GBFUSOTGADNRP
32GB	INFD32GBFUSOTGADNRP

Insert the USB Flash Drive into the Adapter   micro USB 2.0

Insert the Adapter into a smartphone or tablet PC with a micro USB port

USB OTG Adapter

• Data transfer at USB 2.0 speeds
• Compatible with all Integral USB Flash Drives and support for other brands

USB OTG Adapter	
INOTGADAPTER	

USB 2.0

*An App may be required on your smartphone or tablet PC to access the data stored on the USB drive.

Metal Fusion 3.0

The small metal and lightweight 'leave-in' USB Flash Drive with a SuperSpeed data transfer rate.

- USB 3.0 SuperSpeed
- Read speed up to 140 MB/s*, and a Write speed up to 20 MB/s*
- USB 3.0 works in USB 2.0 compatible computers (at USB 2.0 transfer speed)
- PC and Mac compatible
- 2 year warranty

USB 3.0 — Capless

METAL FUSION

USB 3.0
FLASH DRIVE

UP TO **140MB/s** READ*
20MB/s WRITE*

THE LEAVE-IN FLASH DRIVE
FULLY COMPATIBLE WITH USB 2.0

Metal Fusion 3.0	
8GB	INFD8GBFUS3.0
16GB	INFD16GBFUS3.0
32GB	INFD32GBFUS3.0
64GB	INFD64GBFUS3.0

UP TO **140MB/s** READ*
20MB/s WRITE*

UP TO **100MB/s** READ*
20MB/s WRITE*

Tag USB 3.0

Tag 3.0 is a small, practical USB Flash Drive with a durable and stylish metal casing. Featuring a robust clip that allows the drive to be securely fastened onto bags, rucksacks, lanyards and key-chains for safe keeping.

- USB 3.0 SuperSpeed
- Read speed up to 140 MB/s*, and a Write speed up to 20 MB/s*
- USB 3.0 works in USB 2.0 compatible computers (at USB 2.0 transfer speed)
- PC and Mac compatible
- 2 year warranty

USB 3.0 — Clip

Tag USB 2.0

- USB 2.0

USB 2.0 — Clip

Assembled in the UK

Tag 3.0	
16GB	INFD16GBTAG3.0
32GB	INFD32GBTAG3.0
64GB	INFD64GBTAG3.0

Tag 2.0	
8GB	INFD8GBTAG
16GB	INFD16GBTAG

Chroma USB 3.0

USB 3.0 Chroma has a capless design with a smooth thumb slide and is available in three eye-catching metallic colours.

- USB 3.0 SuperSpeed
- Read speed up to 100 MB/s*, and a Write speed up to 20 MB/s*
- USB 3.0 works in USB 2.0 compatible computers (at USB 2.0 transfer speed)
- PC and Mac compatible
- 2 year warranty

USB 3.0 — Capless

Chroma USB 2.0

- USB 2.0

USB 2.0 — Capless

Assembled in the UK

Chroma 3.0	
8GB	INFD8GBCHR3.0BK/BL/PK
16GB	INFD16GBCHR3.0BK.BL/PK
32GB	INFD32GBCHR3.0BK/BL/PK
64GB	INFD64GBCHR3.0BK/BL/PK

Chroma 2.0	
8GB	INFD8GBCHRBK/BL/PK
16GB	INFD16GBCHRBK/BL/PK
32GB	INFD32GBCHRBK
64GB	INFD64GBCHRBK

* Based on internal testing

Pastel USB 3.0

The Pastel USB has a compact design and soft coloured casing. Featuring a SuperSpeed data transfer rate, that is many times faster than an equivalent USB 2.0 drive.

- USB 3.0 SuperSpeed
- Read speed up to 80 MB/s*, and a Write speed up to 10 MB/s*
- USB 3.0 works in USB 2.0 compatible computers (at USB 2.0 transfer speed)
- PC and Mac compatible
- 2 year warranty

USB 3.0

Cap Storage

USB 3.0
FLASH DRIVE

Pastel

🇬🇧 **Made in the UK**

UP TO
80MB/s READ*
10MB/s WRITE*

Pastel USB 3.0	
8GB	INFD8GBPASBLS3.0
16GB	INFD16GBPASBLS3.0
32GB	INFD32GBPASBLS3.0
64GB	INFD64GBPASBLS3.0
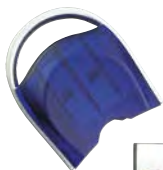
UP TO
180MB/s READ*
80MB/s WRITE*

UP TO
110MB/s READ*
20MB/s WRITE*

UP TO
140MB/s READ*
35MB/s WRITE*

Courier USB 3.0

Courier USB 3.0 Flash Drive combines a great-value price with a SuperSpeed data transfer rate. Now you can backup, transfer and access your digital content faster than ever.

- USB 3.0 SuperSpeed
- Read speed up to 180 MB/s*, and a Write speed up to 80 MB/s*
- USB 3.0 works in USB 2.0 compatible computers (at USB 2.0 transfer speed)
- PC and Mac compatible
- 2 year warranty

Neon USB 3.0

Neon USB 3.0 Flash Drive combines an eye-catching fluorescent casing with a SuperSpeed data transfer rate.

- Available in fluorescent Orange, Blue, Pink and Yellow
- USB 3.0 SuperSpeed
- Read speed up to 110 MB/s*, and a Write speed up to 20 MB/s*
- USB 3.0 works in USB 2.0 compatible computers (at USB 2.0 transfer speed)
- PC and Mac compatible
- 2 year warranty

Noir USB 3.0

Noir USB 3.0 Flash Drive combines a great-value price with a SuperSpeed data transfer rate.

- USB 3.0 SuperSpeed
- Read speed up to 140 MB/s*, and a Write speed up to 35 MB/s*
- USB 3.0 works in USB 2.0 compatible computers (at USB 2.0 transfer speed)
- PC and Mac compatible
- 2 year warranty

USB 3.0

Cap Storage

Courier 3.0	
8GB	INFD8GBCOU3.0
16GB	INFD16GBCOU3.0
32GB	INFD32GBCOU3.0
64GB	INFD64GBCOU3.0
128GB	INFD128GBCOU3.0

USB 3.0

Cap Storage

🇬🇧 **Made in the UK**

Neon 3.0	
8GB	INFD8GBNEON(OR/B/P/Y)3.0
16GB	INFD16GBNEON(OR/B/P/Y)3.0
32GB	INFD32GBNEON(OR/B/P/Y)3.0
64GB	INFD64GBNEON(OR/B/P/Y)3.0

USB 3.0

Noir 3.0	
8GB	INFD8GBNOIR3.0
16GB	INFD16GBNOIR3.0
32GB	INFD32GBNOIR3.0
64GB	INFD64GBNOIR3.0
128GB	INFD128GBNOIR3.0

Black USB

The Integral Black is our best-value USB Flash Drive.

- Cap stores on base when drive is in use
- PC and Mac compatible
- 2 Year Warranty

USB 2.0		Cap Storage

Black 2.0	
8GB	INFD8GBBLK
16GB	INFD16GBBLK
32GB	INFD32GBBLK
64GB	INFD64GBBLK

Made in the UK

Courier

The Integral USB Courier has a translucent blue casing with silver colour edging. Its clever design allows you to store the cap on the end of the Flash Drive when in use.

- Stylish translucent blue casing
- Cap stores in base when Drive is in use
- LED indicator
- PC and Mac compatible
- 2 year warranty
- Unique ID and personalisation available, see page 31

USB 2.0		Cap Storage		**Assembled in the UK**

Courier 2.0	
4GB	INFD4GBCOU
8GB	INFD8GBCOU
16GB	INFD16GBCOU
32GB	INFD32GBCOU
64GB	INFD64GBCOU
128GB	INFD128GBCOU

Evo

The Integral Evo is a great value USB Flash Drive with translucent blue casing. Its clever design allows you to store the cap on the end of the Flash Drive when in use.

- Entry-level product
- Stylish translucent blue casing
- Cap stores in base when Drive is in use
- PC and Mac compatible
- 2 year warranty
- Unique ID and personalisation available, see page 31

USB 2.0		Cap Storage		**Made in the UK**

Evo 2.0	
4GB	INFD4GBEVOBL
8GB	INFD8GBEVOBL
16GB	INFD16GBEVOBL
32GB	INFD32GBEVOBL
64GB	INFD64GBEVOBL
128GB	INFD128GBEVOBL

360

The Integral 360 Flash Drive has a clever design allowing the USB socket to rotate 360° inside the casing, providing easy access to your data and eliminating the need for a cap.

- Capless design, casing rotates 360°
- PC and Mac compatible
- 2 year warranty
- Unique ID and personalisation available, see page 31

USB 2.0		Capless		**Assembled in the UK**

360 2.0	
4GB	INFD4GB360GYV2
8GB	INFD8GB360GYV2
16GB	INFD16GB360GYV2
32GB	INFD32GB360GYV2

Slide

Transfer data without fuss with the Integral Slide. The USB has a capless design with a smooth thumb slide and is available in three eye-catching colours.

- Capless design, just push and slide
- Available in blue, pink or white
- PC and Mac compatible
- 2 year warranty
- Unique ID and personalisation available, see page 31

Assembled in the UK

Slide 2.0

4GB	INFD4GBSLDBL/PK/WH
8GB	INFD8GBSLDBL/PK/WH
16GB	INFD16GBSLDBL/PK/WH
32GB	INFD32GBSLDBL/PK/WH

USB 2.0

Capless

Fusion

The small and lightweight 'leave-in' USB Flash Drive, ideal for compatible laptops, netbooks, tablet PCs, TVs, Blu-ray players, games consoles, home and car audio systems.

- Low-profile casing
- Smallest USB Flash Drive in the Integral range
- PC and Mac compatible
- 2 year warranty

USB 2.0

Fusion 2.0

4GB	INFD4GBFUSWH
8GB	INFD8GBFUSRD
16GB	INFD16GBFUSBL
32GB	INFD32GBFUSGR

Arc

The Integral Arc USB is a durable and stylish Flash Drive that will look great alongside a modern desktop or laptop computer and will fit perfectly on a set of keys for easy portability.

- Metal key shaped USB casing
- Designed to be fastened securely to a keychain
- PC and Mac compatible
- 2 year warranty

USB 2.0 Capless **Assembled in the UK**

Arc 2.0

8GB	INFD8GBARC
16GB	INFD16GBARC
32GB	INFD32GBARC
64GB	INFD64GBARC

Key

The Integral Key USB is a durable, metal, key-shaped Flash Drive with stainless steel casing.

- Metal key shaped USB casing
- Designed to be fastened to a key chain
- PC and Mac compatible
- 2 year warranty

USB 2.0 Capless **Assembled in the UK**

Key 2.0

4GB	INFD4GBKEY
8GB	INFD8GBKEY
16GB	INFD16GBKEY
32GB	INFD32GBKEY

Neon

The Integral Neon USB lets you carry your data in style. The Neon USB with it's compact design and bright fluorescent casing is a great addition to the Integral range.

- Stylish fluorescent casing in Yellow, Pink, Orange or Blue
- PC and Mac compatible
- 2 year warranty
- Unique ID and personalisation available, see page 31

USB 2.0

Cap Storage

Made in the UK

Neon 2.0	
4GB	INFD4GBNEONYL/OR/PK/B
8GB	INFD8GBNEONYL/OR/PK/B
16GB	INFD16GBNEONYL/OR/PK/B
32GB	INFD32GBNEONYL/OR/PK/B
64GB	INFD64GBNEONYL/OR/PK/B

Ultralight

The UltraLite Flash Drive is the lightest USB in the Integral range. Perfect for carrying your data and for use in the latest netbooks, laptops, home and car audio systems. UltraLite has a low-profile, capless design and is supplied with a key-chain.

- Integral's lightest USB Flash Drive - just 2 grams!
- Small enough to fit on your key-ring
- Low-profile, capless design supplied with a key-chain
- PC and Mac compatible
- 2 year warranty
- Unique ID and personalisation available, see page 31

USB 2.0

Capless

Ultralight 2.0	
4GB	INFD4GBULTBK
8GB	INFD8GBULTBK

Splash

Carry your data in style with the Integral USB Splash Drive. The attractive shock and water resistant rubberised casing gives the Splash drive a cool look and tactile feel.

- Tactile rubberised casing available in blue, yellow, pink and black
- Shock and splash proof
- Complete with Key chain that stores cap when in use
- LED indicator
- PC and Mac compatible
- 2 year warranty

USB 2.0

Key Chain

Splash 2.0	
4GB	INFD4GBSPLB/P/Y/BK
8GB	INFD8GBSPLB/P/Y/BK
16GB	INFD16GBSPLB/P/Y/BK
32GB	INFD32GBSPLBK

Pastel

The Integral Pastel is a compact, pastel coloured USB Flash Drive.

- Pastel coloured casing - 'Lavender Haze' and 'Blue Sky'
- Cap stores on base when drive is in use
- PC and Mac compatible
- 2 Year Warranty

USB 2.0

Cap Storage

Made in the UK

Pastel 2.0	
8GB	INFD8GBPASLH/BLS
16GB	INFD16GBPASLH/BLS
32GB	INFD32GBPASLH/BLS
64GB	INFD64GBPASLH/BLS

XPRESSION
USB FLASH DRIVE

TXT	Owls	Puzzle	Floral	Birds

Flowers	BOOM	Hot-Rod	Keep Calm	Union Jack

Xpression

The Integral Xpressions USB Flash Drive range are perfect for the fashion conscious user with their contemporary designs.

Available in a variety of different styles the Xpression USBs are reliable, compact Flash Drives.

- For the fashion conscious user
- Cap stored on USB Flash Drive when in use
- PC and Mac compatible
- 2 year warranty

Assembled in the UK

USB 2.0

Cap Storage
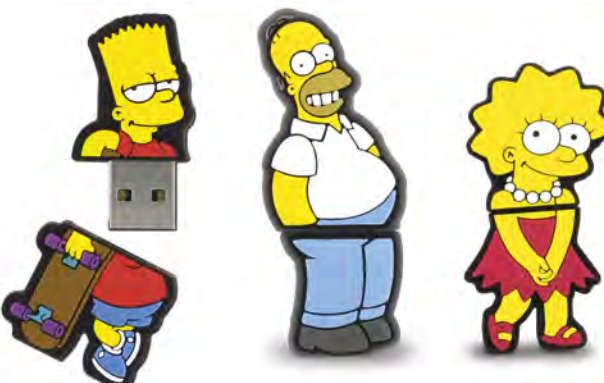
Xpression 2.0			
	TXT		**Flowers**
8GB	INFD8GBXPRTXT	4GB	INFD4GBXPRFLO
16GB	INFD16GBXPRTXT	8GB	INFD8GBXPRFLO
	Owls		**BOOM**
8GB	INFD8GBXPROWLS	8GB	INFD8GBXPRBOOM
16GB	INFD16GBXPROWLS	16GB	INFD16GBXPRBOOM
	Puzzle		**Hot-Rod**
8GB	INFD8GBXPRPUZZLE	8GB	INFD8GBXPRHOT-ROD
16GB	INFD16GBXPRPUZZLE	16GB	INFD16GBXPRHOT-ROD
	Floral		**Keep Calm**
8GB	INFD8GBXPRFLORAL	8GB *Red*	INFD8GBXPRKCBUR
	Birds	8GB *Blue*	INFD8GBXPRKCBUB
4GB	INFD4GBXPRBIR		**Union Jack**
8GB	INFD8GBXPRBIR	8GB	INFD8GBXPRUNIONJ
16GB	INFD16GBXPRBIR		

*Other capacities available on request

The Simpsons

The world's most dysfunctional family arrive in USB format - introducing The Simpsons USB 2.0 Flash Drives. Be the envy of your friends with USB drives featuring Springfield's finest; Homer, Bart and Lisa Simpson. Celebrate the most successful animated series ever and stand out from the crowd with a cool Simpsons USB.

- Simpsons USB drive casing exclusively designed from soft rubberised silicone
- Highly detailed casing ensure Simpsons characters are authentic
- Choose from Homer, Bart and Lisa Simpson drives

- Excellent gift choice and collectable
- Officially licensed product developed in collaboration between Integral and 20th Century Fox
- 2 year warranty

THE SIMPSONS ™ & © 2013
Twentieth Century Fox Film Corporation.
All Rights Reserved.

MATT GROENING

The Simpsons 2.0	
	Homer Simpson
4GB	INFD4GBHOMER
8GB	INFD8GBHOMER
	Bart Simpson
4GB	INFD4GBBART
8GB	INFD8GBBART
	Lisa Simpson
8GB	INFD8GBLISA

Lapins Cretins

UBISOFT

Lapins Cretins USBs available for retail in France only

After invading the world, the Lapins Cretins have not yet had their final word! Now in a collaboration between Ubisoft and Integral, the crazy Lapins Cretins arrive in USB Flash Drive format.

- Lapins Cretins USB drive casing exclusively designed from soft rubber
- Provided with a chain to hang the cap (the Lapins Cretins head) when the USB is in use
- 2 year warranty

USB 2.0   Key Chain

Lapins Cretins 2.0	
	Happy Lapins Cretins
4GB	INFD4GBRABBIDHY
8GB	INFD8GBRABBIDHY
	Scream Lapins Cretins
8GB	INFD8GBRABBIDSC

Lapins Cretins Xpression 2.0	
8GB Back to School	INFD8GBXPR-RAB-BTS
8GB Dog	INFD8GBXPR-RAB-DOG
8GB Crazy	INFD8GBXPR-RAB-CRZ
8GB Cheerleader	INFD8GBXPR-RAB-CHL
8GB Footbal	INFD8GBXPR-RAB-FT
8GB Beach	INFD8GBXPR-RAB-BCH

Patrick Gosling,
professional motorsports photographer

UP TO
260MB/s* **read**

UP TO
240MB/s* **write**

32GB

SDHC UHS-II
UP TO 260MB/s* read
240MB/s* write

integral
ultima PRO X$_2$

ULTIMAPRO X$_2$

BLAZING FAST SPEED UHS-II

UltimaPro X$_2$ SDHC are professional grade memory cards from Integral featuring the new UHS-II U3 (Ultra High Speed II, Speed Class 3) interface and designed to complement the latest pro DSLR cameras and camcorders compatible with UHS-II. Ideal for recording 4K, 2K, Full HD, 3D video and RAW and JPEG images.

Benefits:
- Ultra High resolution videos and large RAW and JPEG photos can be saved to the UltimaPro X2 memory card at ultra-fast speed, with no lag or dropped frames
- Works brilliantly with 4K and Full HD digital camcorders - ensuring smooth video capture even when shooting at 4K (3840 x 2160) and Full High Definition resolution (1920 x 1080)
- Offers the highest video performance available for sustained video capture at 30MB/s (U3; UHS Speed Class 3)
- Optimised for the latest high-performance DSLRs and professional video cameras that support UHS-II (Ultra-High-Speed Interface 2)

FFeatures:
- High-speed data read / write, with up to 260 MB/s* read and 240 MB/s* write
- SDHC Class 10 (Secure Digital High Capacity)
- Latest technology SDHC memory card with UHS-II, Speed Class 3 specification
- Complete with free protective case
- 5 year warranty

integral™

32GB
UPTO 260MB/s* read
UPTO 240MB/s* write

Ultra Fast
SDHC U3 II
CLASS 10
SUITABLE FOR
4K FULL HD 3D RECORDING

ultima PRO X$_2$
UHS-II professional grade

SDHC 260-240 UHS-II C10 Card	
16GB	INSDH16G10-260/240U2
32GB	INSDH32G10-260/240U2

SDHC/XC 90-80 Class 10

UltimaPro X SDHC/XC 90-80MB/s are professional grade memory cards from Integral. Our advanced chip-set delivers up to 90MB/s read and 80MB/s write speed.

- Ultra-fast speed; ideal for recording 4K, 2K, Full HD, 3D video and RAW and jpeg images
- Ultra-fast read / write, with up to 90 MB/s* read and 80 MB/s* write
- SDHC/XC Class 10
- UHS-I, Class 3 specification
- 5 year warranty

SDHC/XC 90-80 C10 Card	
16GB	INSDH16G10-90/80U1
32GB	INSDH32G10-90/80U1
64GB	INSDX64G10-90/80U1
128GB	INSDX128G10-90/80U1
256GB	INSDX256G10-90/80U1

ultima PRO X
professional grade

UP TO 90MB/s* read

UP TO 80MB/s* write

microSDHC/XC 90-80 Class 10

Integral's UltimaPro X microSDHC/XC Class 10 memory cards are ultra-high-speed and ideal for use in smartphones, tablet PCs, digital cameras and camcorders. Our advanced chip-set delivers up to 90MB/s read and 80MB/s write speed.

- Ultra-fast speed; ideal for recording 4K, 2K, 1080p Full HD video and RAW and jpeg images
- Ultra-fast read / write, with up to 90 MB/s* read and 80 MB/s* write
- microSDHC/XC Class 10
- UHS-I, Class 3 specification
- 5 year warranty

microSDHC/XC 90-80 C10 Card	
8GB	INMSDH8G10-90/80U1
16GB	INMSDH16G10-90/80U1
32GB	INMSDH32G10-90/80U1
64GB	INMSDX64G10-90/80U1

* Based on internal testing

SDHC/XC 95-60 Class 10

UltimaPro X SDHC/XC 95-60MB/s are ultra-high-speed memory cards from Integral. Our advanced chip-set delivers up to 95MB/s read and 60MB/s write speed.

- Ultra-fast speed; ideal for recording 4K, 2K, Full HD, 3D video and RAW and jpeg images.
- Ultra-fast read / write, with up to 95 MB/s* read and 60 MB/s* write
- SDHC/XC Class 10
- UHS-I, Class 3 specification
- 5 year warranty

SDHC/XC 95/60 C10 Card	
16GB	INSDH16G10-95/60U1
32GB	INSDH32G10-95/60U1
64GB	INSDX64G10-95/60U1
128GB	INSDX128G10-95/60U1

ultima**PRO** X
ultra high speed memory

UP TO
95 MB/s*
read

UP TO
60 MB/s*
write

(SDHC & SDXC)

microSDHC/XC 90-45 Class 10

Integral's UltimaPro X microSDHC/XC Class 10 memory cards are ultra-high-speed and ideal for use in smartphones, tablet PCs, digital cameras and camcorders. Our advanced chip-set delivers up to 90MB/s read and 45MB/s write speed.

- Ultra-fast speed; ideal for recording 4K, 2K, 1080p Full HD video and RAW and jpeg images
- High-speed data read / write, with up to 90 MB/s* read and 45 MB/s* write
- microSDHC/XC Class 10
- UHS-I, Class 3 specification
- 5 year warranty

microSDHC/XC 90-45 C10 Card	
16GB	INMSDH16G10-90/45U1
32GB	INMSDH32G10-90/45U1
64GB	INMSDX64G10-90/45U1

* Based on internal testing

High-speed memory for Full HD video and photos

SDXC 45 MB/s Class 10

UltimaPro SDXC card, works brilliantly with compact and DSLR digital cameras and Full HD camcorders.

- High-speed; ideal for recording Full HD video, RAW and jpeg images
- Up to 45 MB/s* transfer speed
- UHS-I, Class 1 controller
- 5 year warranty

SDXC 45 MB/s Class 10 + Reader

A high-speed, UltimaPro SDXC card, works brilliantly with compact and DSLR digital cameras and Full HD camcorders.

- High-speed; ideal for recording Full HD video, RAW and jpeg images
- Up to 45 MB/s* transfer speed
- UHS-I, Class 1 controller
- 5 year warranty
- Supplied with an Integral SDXC card reader to ensure safe data transfer from your SDXC memory card to your computer.

SDHC 45 MB/s Class 10

UltimaPro SDHC card, works brilliantly with compact and DSLR digital cameras and Full HD camcorders.

- High-speed; ideal for recording Full HD video, RAW and jpeg images
- Up to 45 MB/s* transfer speed
- UHS-I, Class 1 controller
- 5 year warranty

SDXC 45 MB/s C10 Card	
64GB	INSDX64G10-45

*20MB/s

SDXC 45 MB/s + Reader	
64GB	INSDX64G10-45RU1

SDHC 45 MB/s C10 Card	
8GB	INSDH8G10-45
16GB	INSDH16G10-45
32GB	INSDH32G10-45

* Based on internal testing

microSDHC/XC 40 MB/s Class 10

UltimaPro microSDHC/XC
Class 10 memory cards are ideal for use in smartphones, tablet PCs, digital cameras and Full HD camcorders.

- High-speed; ideal for recording Full HD video and images
- High-performance for fast saving and playback of apps, music, games, images and video
- Up to 40 MB/s* transfer speed
- microSDHC works in SDHC devices using supplied Adapter
- microSDXC works in SDXC devices using supplied Adapter

microSDHC/XC 40 MB/s Class 10 + Reader

UltimaPro microSDHC/XC Class 10 memory cards from are a great accessory for your smartphones, tablet PCs, digital cameras and Full HD camcorders.

- High-speed; ideal for recording Full HD video and images
- Up to 40 MB/s* transfer speed
- The supplied micro Card Reader allows fast and convenient data transfer from the microSDHC card to a PC or Mac without the need for mobile phone cables. The card reader is small and lightweight and can easily be carried on a key-chain

microSDHC/XC 20 MB/s Class 10

UltimaPro microSDHC/XC
Class 10 memory cards are ideal for use in smartphones, tablet PCs, digital cameras and Full HD camcorders.

- High-speed; ideal for recording Full HD video and images
- High-performance for fast saving and playback of apps, music, games, images and video
- Up to 20 MB/s* transfer speed
- microSDXC works in SDXC devices using supplied Adapter
- microSDHC works in SDHC devices using supplied Adapter

microSDHC 40 MB/s C10	
16GB	INMSDH16G10-40U1
32GB	INMSDH32G10-40U1

microSDXC 40 MB/s C10	
64GB	INMSDX64G10-40U1

microSDHC 40 MB/s C10	
16GB	INMSDH16G10-40NAUSBR
32GB	INMSDH32G10-40NAUSBR

microSDXC 40 MB/s C10	
64GB	INMSDX64G10-40NAUSBR

microSDHC 20 MB/s C10	
4GB	INMSDH4G10-20V2
8GB	INMSDH8G10-20V2
16GB	INMSDH16G10-20V2
32GB	INMSDH32G10-20V2

microSDXC 20 MB/s C10	
64GB	INMSDX64G10-20U1

SDHC Class 10

Our great value, entry-level Class 10 SDHC cards provide a high-speed read and write speed, which is ideal for capturing images and HD video.

- For use in compliant devices including: digital cameras, HD camcorders, MP3 players, Satellite Navigation systems, digital photo frames, DAB radios, TVs, car audio, tablet PCs, laptops and netbooks
- Up to 30 MB/s* read speed, 200x
- SDHC Class 10

SDHC Class 4

With capacities up to 32GB available and Class 4 guaranteed minimum write speed, Integral SDHC cards are perfect for images, music and data.

- For use in SDHC compliant devices including: digital cameras, camcorders, MP3 players, Satellite Navigation systems, digital photo frames, DAB radios, tablet PCs, laptops and netbooks
- SDHC Class 4
- Available with a hard camera case bundle, see page 25

Memory Card Cases Quad Pack

Integral Memory Card Case. Protect your data and your memories with our robust storage cases.

- Great value 4 pack
- For use with microSD, microSDHC and microSDXC cards
- For use with SD, SDHC and SDXC cards
- Cards not included

SDHC C10 Card	
4GB*	INSDH4G10V1
8GB	INSDH8G10V1
16GB	INSDH16G10V1
32GB	INSDH32G10V1

SDHC C4 Card	
4GB	INSDH4G4V2NDB
8GB	INSDH8G4V2 / INSDH8G4V2NDB
16GB	INSDH16G4V2
32GB	INSDH32G4V2

Memory Card Cases	
microSD Case	INMSDQUADBOX
SD Case	INSDQUADBOX

*4GB up to 20MB/s

What card is right for me?

Scan the QR Code for more information

Camera Starter Kit

The Integral Camera Starter Kits comprise of a SDHC memory card and a hard camera case. They offer great value and are the ideal accessory for a compact digital camera.

- 4GB SDHC Class 4
- 8GB UltimaPro 20MB/s SDHC Class 10
- 16GB UltimaPro 20MB/s SDHC Class 10

micro SDHC Class 4 + Adapter (optional)

microSDHC memory cards from Integral are a great accessory for your compatible mobile phone, digital camera, tablet PC and MP3 player. Store more images, music, ringtones, games, apps and video than ever before.

- Store up to 32GB of data on your portable device with a microSDHC
- microSDHC Class 4
- The SDHC Adapter provides a massive increase in the versatility of the microSDHC card. Now it can work in thousands of SDHC Card compatible digital cameras, camcorders, card readers, MP3 players, navigation systems and laptops

micro SDHC Class4 + Reader

microSDHC memory cards from Integral are a great accessory for your compatible mobile phone, digital camera, tablet PC and MP3 player. Store more images, music, ringtones, games, apps and video than ever before.

- Store up to 32GB of data on your portable device with a microSDHC
- microSDHC Class 4
- The supplied micro Card Reader allows fast and convenient data transfer from the microSDHC card to a PC or Mac without the need for mobile phone cables. The card reader is small and lightweight and can easily be carried on a key-chain

microSDHC C4 Card	
4GB	INMSDH4G4NAV2
8GB	INMSDH8G4NAV2
16GB	INMSDH16G4NAV2
32GB	INMSDH32G4NAV2

Camera Starter Kit	
4GB	INSDH4G4CASE-H
8GB	INSDH8G10-20CASE-H
16GB	INSDH16G10-20CASE-H

microSDHC C4 + Adapter	
4GB	INMSDH4G4V2
8GB	INMSDH8G4V2
16GB	INMSDH16G4V2
32GB	INMSDH32G4V2

microSDHC C4 + Reader	
4GB	INMSDH4G4NAUSBR
8GB	INMSDH8G4NAUSBR
16GB	INMSDH16G4NAUSBR
32GB	INMSDH32G4NAUSBR

High-speed memory for Full HD video and photos

Professional

Premium

Entry-Level

CompactFlash 800x

UltimaPro CompactFlash 800x speed cards from Integral are designed to give a blistering performance in the most demanding Pro DSLR cameras.

- Super-fast write speed of up to 120 MB/s (800x)*
- Rapid image playback with a read speed of up to 120 MB/s (800x)*
- Supports up to UDMA 7
- CompactFlash Association approved
- CF 6.0 compliant product - supports the Sanitize command (the ultimate card refresh)

CompactFlash 300x

UltimaPro CompactFlash 300x speed cards are ideal for professional and amateur photographers. Capture smooth Full HD images and video in a DSLR camera.

- High-speed write speed of up to 45 MB/s* (300X)
- Rapid image playback with a read speed of up to 45 MB/s* (300X)
- Supports up to UDMA 6
- CompactFlash Association approved
- CF 5.0 compliant product - includes more efficient commands (higher performance) and supports Trim operations for consistent speed

CompactFlash

Integral CompactFlash memory cards are great value and perfect for amateur and professional photographers. For use in CompactFlash compatible DSLR cameras.

- Entry-level CompactFlash card
- Great value and excellent reliability
- CompactFlash Type I
- CompactFlash Association approved

CompactFlash 800x	
32GB	INCF32G800W
64GB	INCF64G800W
128GB	INCF128G800W
256GB	INCF256G800W

CompactFlash 300x	
16GB	INCF16G300W
32GB	INCF32G300W
64GB	INCF64G300W
128GB	INCF128G300W

CompactFlash Card	
4GB	INCF4GV2
8GB	INCF8GV2

USB 3.0 SuperSpeed Reader

An Integral USB 3.0 Card Reader uses the latest USB 3.0 SuperSpeed technology, so that transferring and playing your memory card's digital content such as HD video, photos, games and large documents is faster than ever before.

- USB 3.0 SuperSpeed interface
- Supports the latest high-speed card formats with UHS-I interface
- PC and Mac compatible
- 2 year warranty

Compatible with
- SD Card
- SDHC, SDXC
- microSD, microSDHC, microSDXC
- miniSD**, miniSDHC**
**Adapter required

USB 3.0

USB 3.0 Card Reader

INCRUSB3.0SDMSD

Multicard Reader

Rapidly transfer files from your memory card to your Desktop, Notebook or Mac computer and save your device batteries using the Integral MultiCard Reader.

- High speed connection
- PC and Mac compatible
- Complete with USB extension lead
- 2 year warranty

Compatible with the following Memory Cards
- SD, SDHC, SDXC, microSD, microSDHC, microSDXC, miniSD*, miniSDHC*
- MemoryStick, M2, MemoryStick Pro, MemoryStick Duo and Pro Duo
- xD, CompactFlash
*Adapter required

USB 2.0

Multi Card Reader

INCRMULTI

Dual Slot Reader

The Integral Dual Slot SDXC Card Reader provides a fast and safe way of transferring data between the latest SDXC memory card format and your PC or Mac.

- Plug and Play
- PC and Mac compatible
- Compact design
- 2 year warranty

Compatible with the following Memory Cards
- SDXC, SDHC, SD Card
- microSD, microSDHC, microSDXC
- miniSDHC*, miniSD*
*With SD Card Adapter (not included)

USB 2.0

Dual Slot Card Reader

INCRSDMSD

Single Slot Reader

The Integral Single Slot Card Readers allow you to transfer your memory card files onto your PC with ease.

- Plug and Play
- PC and Mac compatible
- Compact design
- 2 year warranty

Available for
- SD/SDHC/SDXC
- CompactFlash

USB 2.0

Single Slot Reader

SD Card Reader	INCRSDNRP
CF Card Reader	INCRCF

micro Reader

Transfer and share your mobile's photos, videos, mp3's and data files with ease. Small enough to tie onto your mobile handset or carry on your key-chain. Card Reader can be used as a USB Flash Drive if you keep your microSD/microSDHC card installed in the device.

- Perfect mobile phone accessory
- Compatible with microSD, microSDHC and microSDXC cards
- PC and Mac compatible
- 2 year warranty

USB 2.0

Cap Storage

microSD Card Reader

INCRMSDMINIUSB

Integral Card Readers do not include memory cards

DRAM - **Memory Upgrades**

Integral stock an extensive range of DRAM available on next day delivery. We provide a lifetime warranty* on all modules. Highlights from our product line-up are featured below.

DDR4

DDR4 SERVER REGISTERED

IN4T16GRCHPX2	16GB DDR4-17000 ECC DIMM CL15 RANK2 REGISTERED 1.2V
IN4T8GRCHPX1	8GB DDR4-17000 ECC DIMM CL15 RANK1 REGISTERED 1.2V

DDR3

DDR3 DESKTOP UNBUFFERED NON ECC

INTEGRAL P/N	DESCRIPTION
IN3T8GNAJKX	8GB DDR3-1600 DIMM CL11 UNBUFFERED 1.5V
IN3T8GNZJIX	8GB DDR3-1333 DIMM CL9 UNBUFFERED 1.5V
IN3T8GNYJGX	8GB DDR3-1066 DIMM CL7 UNBUFFERED 1.5V
IN3T4GNABKX	4GB DDR3-1600 DIMM CL11 UNBUFFERED 1.5V
IN3T4GNAJKX	4GB DDR3-1600 DIMM CL11 UNBUFFERED 1.5V
IN3T4GNZBIX	4GB DDR3-1333 DIMM CL9 UNBUFFERED 1.5V
IN3T4GNZJIX	4GB DDR3-1333 DIMM CL9 UNBUFFERED 1.5V
IN3T4GNYBGX	4GB DDR3-1066 DIMM CL7 UNBUFFERED 1.5V
IN3T2GNABKX	2GB DDR3-1600 DIMM CL11 UNBUFFERED 1.5V
IN3T2GNZBIX	2GB DDR3-1333 DIMM CL9 UNBUFFERED 1.5V
IN3T2GNYBGX	2GB DDR3-1066 DIMM CL7 UNBUFFERED 1.5V

DDR3 DESKTOP UNBUFFERED ECC

IN3T8GEAJKX	8GB DDR3-1600 ECC DIMM CL11 UNBUFFERED 1.5V
IN3T8GEZJIX	8GB DDR3-1333 ECC DIMM CL9 UNBUFFERED 1.5V
IN3T8GEYJGX	8GB DDR3-1066 ECC DIMM CL7 UNBUFFERED 1.5V
IN3T4GEABKX	4GB DDR3-1600 ECC DIMM CL11 UNBUFFERED 1.5V
IN3T4GEZBIX	4GB DDR3-1333 ECC DIMM CL9 UNBUFFERED 1.5V
IN3T4GEYBGX	4GB DDR3-1066 ECC DIMM CL7 UNBUFFERED 1.5V
IN3T2GEABKX	2GB DDR3-1600 ECC DIMM CL11 UNBUFFERED 1.5V
IN3T2GEZBIX	2GB DDR3-1333 ECC DIMM CL9 UNBUFFERED 1.5V
IN3T2GEYBGX	2GB DDR3-1066 ECC DIMM CL7 UNBUFFERED 1.5V

DDR3 DESKTOP UNBUFFERED ECC LOW VOLLTAGE

IN3T8GEAJKXLV	8GB DDR3-1600 ECC DIMM CL11 UNBUFFERED 1.35V
IN3T8GEZJIXLV	8GB DDR3-1333 ECC DIMM CL9 UNBUFFERED 1.35V
IN3T4GEABKXLV	4GB DDR3-1600 ECC DIMM CL11 UNBUFFERED 1.35V
IN3T4GEZBIXLV	4GB DDR3-1333 ECC DIMM CL9 UNBUFFERED 1.35V

DDR3 LAPTOP

IN3V8GNAJKX	8GB DDR3-1600 SoDIMM CL11 UNBUFFERED 1.5V
IN3V8GNZJIX	8GB DDR3-1333 SoDIMM CL9 UNBUFFERED 1.5V
IN3V8GNYJGX	8GB DDR3-1066 SoDIMM CL7 UNBUFFERED 1.5V
IN3V4GNABKX	4GB DDR3-1600 SoDIMM CL11 UNBUFFERED 1.5V
IN3V4GNAJKX	4GB DDR3-1600 SoDIMM CL11 UNBUFFERED 1.5V
IN3V4GNZBIX	4GB DDR3-1333 SoDIMM CL9 UNBUFFERED 1.5V
IN3V4GNZJIX	4GB DDR3-1333 SoDIMM CL9 UNBUFFERED 1.5V
IN3V4GNYBGX	4GB DDR3-1066 SoDIMM CL7 UNBUFFERED 1.5V
IN3V2GNABKX	2GB DDR3-1600 SoDIMM CL11 UNBUFFERED 1.5V
IN3V2GNZBIX	2GB DDR3-1333 SoDIMM CL9 UNBUFFERED 1.5V
IN3V2GNZNIX	2GB DDR3-1333 SoDIMM CL9 UNBUFFERED 1.5V
IN3V2GNYBGX	2GB DDR3-1066 SoDIMM CL7 UNBUFFERED 1.5V
IN3V2GNYNGX	2GB DDR3-1066 SoDIMM CL7 UNBUFFERED 1.5V

DDR3 LAPTOP LOW POWER

IN3V8GNAJKXLV	8GB DD3-1600 SODIMM CL11 UNBUFFERED 1.35V
IN3V4GNABKXLV	4GB DD3-1600 SODIMM CL11 UNBUFFERED 1.35V
IN3V2GNABKXLV	2GB DD3-1600 SODIMM CL11 UNBUFFERED 1.35V

DDR3 LAPTOP INTEGRAL VALUE

IN3V8GNAJKI	8GB DDR3-1600 SoDIMM CL11 UNBUFFERED 1.5V
IN3V8GNZJII	8GB DDR3-1333 SoDIMM CL9 UNBUFFERED 1.5V
IN3V4GNAJKI	4GB DDR3-1600 SoDIMM CL11 UNBUFFERED 1.5V

DDR3 SERVER REGISTERED

IN3T32GRAHKX4	32GB DDR3-1600 ECC DIMM CL11 RANK4 REGISTERED 1.5V
IN3T32GRZHIX4	32GB DDR3-1333 ECC DIMM CL9 RANK4 REGISTERED 1.5V
IN3T16GRBHMX2	16GB DDR3-1866 ECC DIMM CL13 RANK2 REGISTERED 1.5V
IN3T16GRAHKX2	16GB DDR3-1600 ECC DIMM CL11 RANK2 REGISTERED 1.5V
IN3T16GRZHIX2	16GB DDR3-1333 ECC DIMM CL9 RANK2 REGISTERED 1.5V
IN3T16GRZGIX4	16GB DDR3-1333 ECC DIMM CL9 RANK4 REGISTERED 1.5V
IN3T16GRYGGX4	16GB DDR3-1066 ECC DIMM CL7 RANK4 REGISTERED 1.5V
IN3T8GRBHMX1	8GB DDR3-1866 ECC DIMM CL13 RANK1 REGISTERED 1.5V
IN3T8GRBGMX2	8GB DDR3-1866 ECC DIMM CL13 RANK2 REGISTERED 1.5V
IN3T8GRAHKX1	8GB DDR3-1600 ECC DIMM CL11 RANK1 REGISTERED 1.5V
IN3T8GRABKX4	8GB DDR3-1600 ECC DIMM CL11 RANK1 REGISTERED 1.5V
IN3T8GRZGIX2	8GB DDR3-1333 ECC DIMM CL9 RANK2 REGISTERED 1.5V
IN3T8GRZBIX4	8GB DDR3-1066 ECC DIMM CL9 RANK4 REGISTERED 1.5V
IN3T8GRYGGX2	8GB DDR3-1066 ECC DIMM CL7 RANK2 REGISTERED 1.5V
IN3T8GRYBGX4	8GB DDR3-1066 ECC DIMM CL7 RANK4 REGISTERED 1.5V

DDR3 CONTINUED

DDR3 SERVER REGISTERED LOW POWER

IN3T32GRAHKX4LV	32GB DDR3-1600 ECC DIMM CL11 RANK4 REGISTERED 1.35V
IN3T32GRZHIX4LV	32GB DDR3-1333 ECC DIMM CL9 RANK4 REGISTERED 1.35V
IN3T16GRBHMX2LV	16GB DDR3-1866 ECC DIMM CL13 RANK2 REGISTERED 1.35V
IN3T16GRAHKX2LV	16GB DDR3-1600 ECC DIMM CL11 RANK2 REGISTERED 1.35V
IN3T16GRZHIX2LV	16GB DDR3-1333 ECC DIMM CL9 RANK2 REGISTERED 1.35V
IN3T16GRYGGX4LV	16GB DDR3-1066 ECC DIMM CL7 RANK4 REGISTERED 1.35V
IN3T8GRBHMX1LV	8GB DDR3-1866 ECC DIMM CL13 RANK1 REGISTERED 1.35V
IN3T8GRBGMX2LV	8GB DDR3-1866 ECC DIMM CL13 RANK2 REGISTERED 1.35V
IN3T8GRAHKX1LV	8GB DDR3-1600 ECC DIMM CL11 RANK1 REGISTERED 1.35V
IN3T8GRZGIX2LV	8GB DDR3-1333 ECC DIMM CL9 RANK2 REGISTERED 1.35V

DDR2

DDR2 DESKTOP UNBUFFERED NON ECC

INTEGRAL P/N	DESCRIPTION
IN2T4GNXBFX	4GB DDR2-800 DIMM CL6 UNBUFFERED 1.8V
IN2T4GNWBEX	4GB DDR2-667 DIMM CL5 UNBUFFERED 1.8V
IN2T2GNXNFX	2GB DDR2-800 DIMM CL6 UNBUFFERED 1.8V
IN2T2GNWNEX	2GB DDR2-667 DIMM CL5 UNBUFFERED 1.8V
IN2T2GNVNDX	2GB DDR2-533 DIMM CL4 UNBUFFERED 1.8V
IN2T1GNXNFX	1GB DDR2-800 DIMM CL6 UNBUFFERED 1.8V
IN2T1GNWNEX	1GB DDR2-667 DIMM CL5 UNBUFFERED 1.8V
IN2T1GNVNDX	1GB DDR2-533 DIMM CL4 UNBUFFERED 1.8V

DDR2 DESKTOP UNBUFFERED ECC

IN2T2GEXNFX	2GB DDR2-800 ECC DIMM CL6 UNBUFFERED 1.8V
IN2T2GEWNEX	2GB DDR2-667 ECC DIMM CL5 UNBUFFERED 1.8V
IN2T2GEVNDX	2GB DDR2-533 ECC DIMM CL4 UNBUFFERED 1.8V
IN2T1GEXNFX	1GB DDR2-800 ECC DIMM CL6 UNBUFFERED 1.8V
IN2T1GEWNEX	1GB DDR2-667 ECC DIMM CL5 UNBUFFERED 1.8V
IN2T1GEVNDX	1GB DDR2-533 ECC DIMM CL4 UNBUFFERED 1.8V

DDR2 LAPTOP

IN2V4GNXBFX	4GB DDR2-800 SoDIMM CL6 UNBUFFERED 1.8V
IN2V4GNWBEX	4GB DDR2-667 SoDIMM CL5 UNBUFFERED 1.8V
IN2V2GNXNFX	2GB DDR2-800 SoDIMM CL6 UNBUFFERED 1.8V
IN2V2GNWNEX	2GB DDR2-667 SoDIMM CL5 UNBUFFERED 1.8V
IN2V2GNVNDX	2GB DDR2-533 SoDIMM CL4 UNBUFFERED 1.8V
IN2V1GNXNFX	1GB DDR2-800 SoDIMM CL6 UNBUFFERED 1.8V
IN2V1GNWNEX	1GB DDR2-667 SoDIMM CL5 UNBUFFERED 1.8V
IN2V1GNVNDX	1GB DDR2-533 SoDIMM CL4 UNBUFFERED 1.8V

DDR2 SERVER REGISTERED

IN2T8GRWGEX2	8GB DDR2-667 ECC DIMM CL5 RANK2 REGISTERED 1.8V
IN2T4GRWZEX2.	4GB DDR2-667 ECC DIMM CL5 RANK2 REGISTERED 1.8V
IN2T4GRVZDX2	4GB DDR2-533 ECC DIMM CL4 RANK2 REGISTERED 1.8V
IN2T4GRSZCX2	4GB DDR2-400 ECC DIMM CL3 RANK2 REGISTERED 1.8V
IN2T2GRWZEX1	2GB DDR2-667 ECC DIMM CL5 RANK1 REGISTERED 1.8V
IN2T2GRWWEX2	2GB DDR2-667 ECC DIMM CL5 RANK2 REGISTERED 1.8V
IN2T2GRVZDX1	2GB DDR2-533 ECC DIMM CL4 RANK1 REGISTERED 1.8V
IN2T2GRVWDX2	2GB DDR2-533 ECC DIMM CL4 RANK2 REGISTERED 1.8V
IN2T2GRSZCX1	2GB DDR2-400 ECC DIMM CL3 RANK1 REGISTERED 1.8V
IN2T2GRSWCX2	2GB DDR2-400 ECC DIMM CL3 RANK2 REGISTERED 1.8V

DDR2 SERVER FULLY BUFFERED

|	
IN2T8GFWGEX2	8GB DDR2-667 ECC FB-DIMM CL5 RANK2 1.8V
IN2T4GFWZEX2	4GB DDR2-667 ECC FB-DIMM CL5 RANK2 1.8V
IN2T2GFWNEX2	2GB DDR2-667 ECC FB-DIMM CL5 RANK2 1.8V

10 years only in France, Germany and Austria

Kits are available for most parts

Desktop Memory Upgrade

You can improve the speed and overall performance of your Desktop PC by increasing the RAM using Integral Memory upgrades. This means less down time, faster programmes and applications and an overall better user experience.

By increasing performance Integral Memory also prolongs the life of your PC, making our memory upgrades one of the simplest and cost effective ways of upgrading your system.
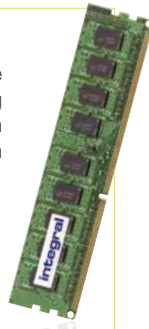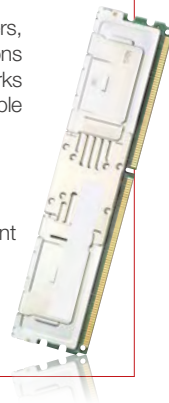
Laptop Memory Upgrade

Laptop performance is critical to many business uses. To improve speed and efficiency installing extra RAM will ensure you get the best results.
Integral Memory's wide range of upgrades are specifically designed to meet the intense demands placed by today's mobile computers.

Server Memory Upgrade

Memory is essential for high-end servers, file servers, mail servers, running of day-to-day business applications etc; memory is the key for better performance.Networks and web servers will operate at great speed and be able to handle more traffic by installing more RAM.

Integral Memory's Server upgrades will provide a consistent, reliable and stable network support environment, to ensure today's demand for constant access are met. Through our use of the premium grade components and extensive testing we can provide compatible solutions of the same high quality and reliability expected from your server.
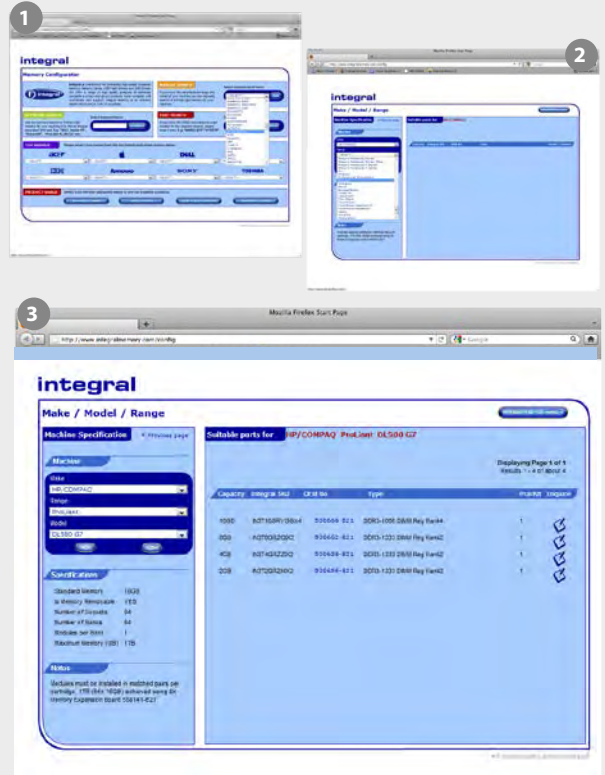
Integral Memory Configurator

Use the Integral Memory Configurator to find the correct DRAM memory upgrade for your Desktop PC, Mac, Laptop or Server. You can search by Manufacturer, Model number or the (OEM) Manufacturers memory part number. In three simple steps you can go from start to finish, ready to place your order or call us for our latest prices.

www.integralmemory.com/config

As easy as 1 2 3

1. Choose your computer manufacturer
2. Choose the range of your computer
3. Your results are displayed

DRAM Spec Sheets

Integral Desktop, Laptop, Server and Retail DRAM memory module spec sheets are available on the Integral memory website.

The spec sheets include physical dimensions, speed, timing and configuration.

DDR

DDR DESKTOP UNBUFFERED NON ECC	
INTEGRAL P/N	DESCRIPTION
IN1T1GNSKCX	1GB DDR-400 DIMM CL3 UNBUFFERED 2.5V
IN1T1GNRKBX	1GB DDR-333 DIMM CL2.5 UNBUFFERED 2.5V
IN1T1GNQKBX	1GB DDR-266 DIMM CL2.5 UNBUFFERED 2.5V
IN1T512NSKCX	512MB DDR-400 DIMM CL3 UNBUFFERED 2.5V
IN1T512NRKBX	512MB DDR-333 DIMM CL2.5 UNBUFFERED 2.5V
IN1T512NQKBX	512MB DDR-266 DIMM CL2.5 UNBUFFERED 2.5V

DDR DESKTOP UNBUFFERED ECC	
IN1T1GESKCX	1GB DDR-400 ECC DIMM CL3 UNBUFFERED 2.5V
IN1T1GERKBX	1GB DDR-333 ECC DIMM CL2.5 UNBUFFERED 2.5V
IN1T1GEQKBX	1GB DDR-266 ECC DIMM CL2.5 UNBUFFERED 2.5V

DDR DESKTOP INTEGRAL VALUE UNBUFFERED ECC	
IN1T1GNSKCI	1GB DDR-400 DIMM CL3 UNBUFFERED 2.5V
IN1T1GNRKBI	1GB DDR-333 DIMM CL2.5 UNBUFFERED 2.5V
IN1T1GNQKBI	1GB DDR-266 DIMM CL2.5 UNBUFFERED 2.5V
IN1T512NSKCI	512MB DDR-400 DIMM CL3 UNBUFFERED 2.5V
IN1T512NRKBI	512MB DDR-333 DIMM CL2.5 UNBUFFERED 2.5V
IN1T512NQKBI	512MB DDR-266 DIMM CL2.5 UNBUFFERED 2.5V

DDR LAPTOP	
IN1V1GNSKCX	1GB DDR-400 SoDIMM CL3 UNBUFFERED 2.5V
IN1V1GNRKBX	1GB DDR-333 SoDIMM CL2.5 UNBUFFERED 2.5V
IN1V1GNQKBX	1GB DDR-266 SoDIMM CL2.5 UNBUFFERED 2.5V
IN1V512NSECX	512MB DDR-400 SoDIMM CL3 UNBUFFERED 2.5V
IN1V512NREBX	512MB DDR-333 SoDIMM CL2.5 UNBUFFERED 2.5V
IN1V512NQEBX	512MB DDR-266 SoDIMM CL2.5 UNBUFFERED 2.5V

DDR SERVER REGISTERED	
IN1T2GRSWCX2	2GB DDR-400 ECC DIMM CL3 RANK2 REGISTERED 2.5V
IN1T2GRRWBX2	2GB DDR-333 ECC DIMM CL2.5 RANK2 REGISTERED 2.5V
IN1T1GRSWCX1	1GB DDR-400 ECC DIMM CL3 RANK1 REGISTERED 2.5V
IN1T1GRRWBX1	1GB DDR-333 ECC DIMM CL2.5 RANK1 REGISTERED 2.5V F131
IN1T1GRQWBX1	1GB DDR-266 ECC DIMM CL2.5 RANK1 REGISTERED 2.5V

Own Brand Products

Integral Memory are experienced in supplying own branded products for major retailers, OEMs, distributors and online resellers that have commanded significant market share for our customers.

From product selection, design, packaging, production and delivery - we can provide a full service, leaving you to do what you do best, selling the product.

Promotional Customised USB

We can customise USB Flash Drives with a logo, data loading, auto-run and data protection features perfect for events, corporations, education and government.

We also have a wide range of cool and creative USB designs for our customers to choose from and the ability to print a logo or image across the entire USB, with a stunning full colour print finish.

We can provide you with rapid visuals and a fast turnaround.
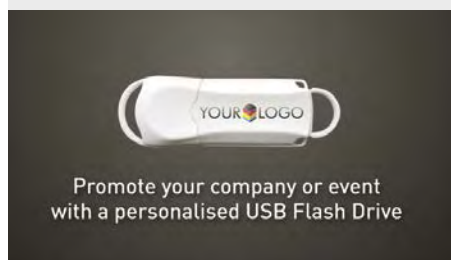
Promote your company or event with a personalised USB Flash Drive
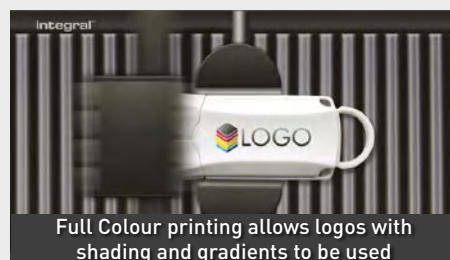
Full Colour printing allows logos with shading and gradients to be used
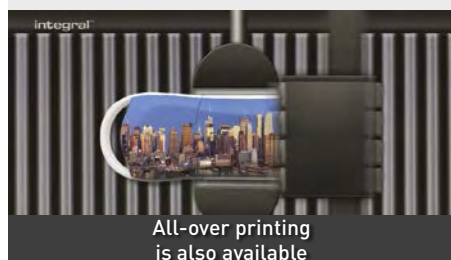
All-over printing is also available
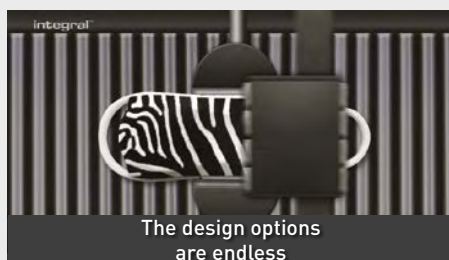
The design options are endless

Logos can be printed in up to 4 Pantone matched colours

Laser etching is available, giving you a premium effect

Any type of content can be preloaded

Fast content duplication service

Unique ID for Endpoint software

The Integral hardware encrypted Flash Drive range can be personalised with a designated company identifying name or number. This will allow a Network Administrator to block access to unrecognised USBs for security purposes, whilst allowing the Integral encrypted Flash Drive to function as the 'official' company drive.

During production a personalised tag (e.g. "LONDON UNIVERSITY") can be embedded into the Crypto that can be viewed on a PC. The tag gives Endpoint software a convenient way to identify Integral drives.

Each drive can be personalized further (upon request) with an individual user specific personal tag e.g "LONDON UNIVERSITY – USER1234" if required.

This personalisation can be offered on any Integral USB Flash Drive (requested at time of order).
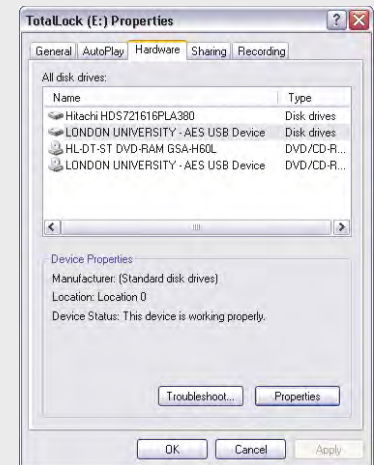
Customisation

Customisation Available - Your own serial number etching, Flash Drive and GUI can be customised to suit your brand (subject to minimum order quantities).

Bundling

Integral work with global camera brands to produce memory card bundling deals for digital cameras and camcorders. We also partner with IT manufacturers to bundle Integral memory cards with tablet PCs and our USB Flash Drives with laptops.

Memory Card & USB Flash Drive Content Pre-Loading Services

Integral Memory can provide a full service including sourcing, memory card supply, duplication, packaging and distribution. We are skilled in producing movies, games, music and navigation maps on memory cards.

integral™

Registered Members of:

USB-IF   SD   CFA CompactFlash Association