

## Three strong-selling packaging concepts

In order to meet all kinds of presentation requirements at the point of purchase (POP), the range comprises three different packaging types.

The question as to whether

- Cardboard
- Blister
- Sales display (RDC – retail display carton)

is decided by the retailer's requirement for the customer. This ensures the range is placed ideally in the shelves, on the wall or at the POP in the RDC (e.g. blister products in themed baskets).

A new feature is also the option of placing the blistered products in shelf systems outside the wall areas. It has emerged that markets divide product groups up into themed areas, including multiple placements, in order to boost turnover. The new Vivanco sales display means your customer no longer has to place all PC performance product groups in a single location on a rear wall, but it is now also possible to place them in themed areas (e.g. basket presentations of all USB interface products, such as USB hubs or USB adapters). As a result, your customer can use the products flexibly in the sales area as desired.

More complex products requiring more explanations, e.g. network components, are still offered in cardboard packages. Products which speak for themselves are packaged in blister packaging so that they are generally fully visible in a wall presentation.

The new Vivanco packaging concept provides your customer with clear benefits:

- Flexible presentation of all PC performance products
- The option of straight-forward multiple placement of all products (rear wall and/or shelf)
- Functional self-explanatory packaging of cardboard and blister products

### PC performance – new range concept

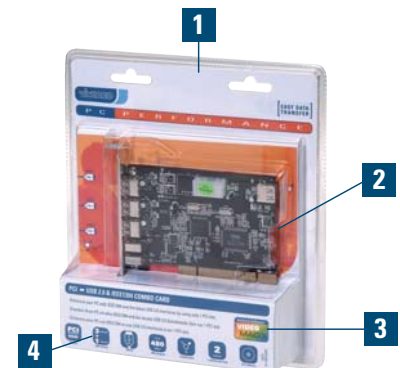
Alongside the change in packaging concept, much has changed in the range itself. The range concept has been completely reworked. The reworking of the range sees:

- Over 30% new products in the range
- All packaging with the new Vivanco corporate design
- Harmonisation of PC performance packaging (There are now 5 types of packaging)
- Products can be combined with the Mobile World range
- Investment in own designs (e.g. USB adapter)
- Products with innovative technologies (e.g. heatpipe cooler and Express Cards)



Cardboard packaging

- 1 Box type for standing or shelf presentation
- 2 Fully represented products displaying all major features
- 3 All major features in a prominent place
- 4 All relevant features "at a glance"



Blister packaging

- 1 Blisters for hanging or standing presentation
- 2 Blisters for hanging or standing presentation
- 3 All major features in a prominent place
- 4 All relevant features "at a glance"



## Bluetooth®

## USB Adapters



### **new** BT.2.1 USB C1 EDR USB Bluetooth Dongle V2.1 EDR Class 1

ctn qty. 5 EDP-No. 25711



Provides a high speed connection from a computer to the wireless Bluetooth® world. The Vivanco USB Dongle V2.1 is the ultimate solution if you want to link easily and quickly your PC with Bluetooth®-compatible devices such as PDAs, mobile phones, printers, etc.

- Newest Bluetooth® Version V2.1 with EDR ( Enhanced Data Rate )
- Data transmission rates of up to 3 Mbps (3 times faster than BT 1.X), 2.4 GHz
- Real Bluetooth® Class 1 product with a range of up to 100 m
- The included Bluetooth® software by TOSHIBA offers best support for all current BT profiles
- High data security through encryption and authentication
- Simple and quick pairing thanks NFC technology (Near Field Communication)

Highlights of new Bluetooth® Version 2.1:

- Easiest and automatic pairing of devices (compatible BT V2.1 devices only need to be in a near field)
- Less power consumption by factor 5 (best for notebook user!)
- Fully compatible to BT V1.1 and V2.0
- Packaging: blister incl quick start guide and manual on CD
- Shipment in retail display carton (refer to photo) when taking packaging unit of 5

System requirements:

- Computer with USB 1.1/2.0 support
- Microsoft® Windows® 2000, XP, Vista, MAC OS 10.2+



### **new** BT.2.1 USB C2 EDR USB Bluetooth Dongle V2.1 EDR Class2

ctn qty. 5 EDP-No. 25712



Provides a high speed connection from a computer to the wireless Bluetooth® world. The Vivanco USB Dongle V2.1 is the ultimate solution if you want to link easily and quickly your PC with Bluetooth®-compatible devices such as PDAs, mobile phones, printers, etc.

- Newest Bluetooth® Version V2.1 with EDR ( Enhanced Data Rate )
- Data transmission rates of up to 3 Mbps (3 times faster than BT 1.X), 2.4 GHz
- Real Bluetooth® Class 1 product with a range of up to 10 m
- The included Bluetooth® software by TOSHIBA offers best support for all current BT profiles
- High data security through encryption and authentication
- simple and quick pairing thanks NFC technology (Near Field Communication)

Highlights of new Bluetooth® Version 2.1:

- Easiest and automatic pairing of devices (compatible BT V2.1 devices only need to be in a near field)
- Less power consumption by factor 5 (best for notebook user!)
- Fully compatible to BT V1.1 and V2.0
- Incl. quick start guide and manual on CD

System requirements: - Computer with USB 1.1/2.0 support

- Microsoft® Windows® 2000, XP, Vista, MAC OS 10.2+



## Bluetooth®

## USB Adapters

### PRO BT USB C2

ctn qty. 10

EDP-No. 26912

**new**

#### Class 2 USB Bluetooth® V 2.1 adapter



Connects a computer to the wireless Bluetooth® world. The Vivanco USB Dongle is the ultimate solution if you want to easily and quickly link your PC with Bluetooth®-compatible devices such as PDAs, mobile phones, printers, etc. without cables.

#### Characteristics:

- Bluetooth® Version V2.1 with EDR (Enhanced Data Rate)
- Fully compatible with V 1.1, V 1.2, V 2.0 + EDR
- Data transmission rates of up to 3 Mbps (3 times faster than BT 1.X)
- Real Bluetooth® Class 2 product with a range of up to 10 m
- The OS automatically detects the device and uses its generic Bluetooth® profiles
- Worldwide standardized 2.4 GHz radio standard
- High data security through encryption and authentication
- Wireless access to networks/the Internet without cable via Bluetooth® mobile phones or access points
- Comes with printed quick guide
- Packaging: blister

#### System requirements:

- Computer with USB 1.1/2.0 support
- Microsoft® Windows® XP or Vista and Macintosh OS 10.2 and higher



USB 2.0



Version 2.1



Bluetooth Version 2.1



Enhance Data Rate



PicoNET



Operating Systems



Operating Systems



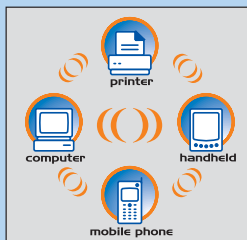
Operating Systems

## What is Bluetooth® V 2.1 EDR?

**Bluetooth® V 2.1 Enhanced Data Rate is the current version of the Bluetooth® software standard.**

#### The most important new feature:

- **Low power consumption**  
-> Longer operation time for mobile devices
- **Simple connection via Near Field Communication**  
-> High ease of use, simple operation



## Bluetooth classification

Designation	Data transfer rate
Bluetooth V1.0 + V1.0B	max. 732,2 kBit/s
Bluetooth V1.1	max. 732,2 kBit/s
Bluetooth V1.2	max. 732,2 kBit/s
Bluetooth V2.0 + EDR	max. 2,1 Mbit/s
Bluetooth V2.1 + EDR	max. 2,1 Mbit/s

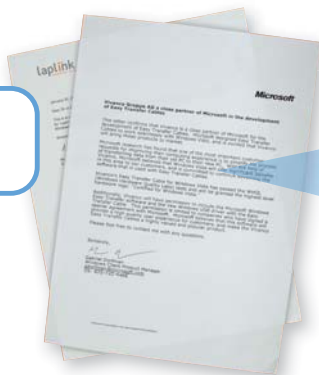
## Easy Transfer Cable for Windows® Vista™ + Win 7



**Strong demand**



**Close partners**



This letter confirms that Vivanco is a close partner of Microsoft for the development of Easy Transfer Cables

**Strong appearance**



RDC (Retail Display Carton)  
Flexible positioning in multiple locations on the P.O.P.



### Positioning and advantages on the P.O.P.

- Ideal for positioning on pallets and promotion areas
- Positioning in a display box directly on the notebook or PC shelf
- Bundling with other products such as PC hardware, software, etc.
- Attractive and sophisticated packaging design
- Self explaining pictograms and extensive product description
- Your staff spends less time



## Why would you need the Easy Transfer Cable for Windows® Vista™+ Win 7 ?

**You bought yourself a new PC with Windows® Vista™ or Windows® 7 !**

### Question:

How do I transfer all my data and personal settings from my old Windows® XP PC to my new Windows® Vista™ and Windows® 7 PC?

- Mage files
- Music files
- Movies
- Documents
- Email accounts
- News
- Contacts
- Program settings
- Internet favourites, etc.

### Answer:

Vivanco has the solution. Use the Easy Transfer Cable for Windows® Vista™ to transfer all of your data and settings without having to spend time in burning a CD or to spend money for an external hard disk.

**The problem**

**The solution**

### The package includes



Easy Transfer Cable for Windows® Vista™



Installation software



Synchronisation software

Features		Benefits
Only 3 steps for complete data transfer	→	High product satisfaction
Approved by Microsoft®	→	Ensures full compatibility with existing software
Full version of Laplink® PCsync software	→	After migration, the product can be used for other purposes such as networking or file synchronisation and thus offers the customer great added value

**The advantages**

PC Performance

### USB2 WET LINK

Easy transfer cable for Windows® Vista™

ctn. qty. 5 EDP-No. 22269 **new**

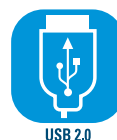
- Transfers files and settings from Windows® XP to Windows® Vista™ and Windows® 7
- USB 2.0 link lead
- USB type A plug ↔ USB type A plug
- High speed data transfer rate up to 480 Mbps
- Length: 2.4 m

### System requirements:

- Windows® XP and Windows® Vista™
- Laplink®: Windows® 2000, XP, Windows® Vista™ and Windows® 7
- 5 MB hard disk space

### Laplink PCsync

- Synchronisation software with networking function
- File transfer and synchronisation
- Resolves file conflicts, edits or copies the file
- Unidirectional or bidirectional synchronisation
- Scheduled synchronisation
- Automatically synchronises your files, music, videos and much more



## USB

## Adapters

### USB SER-N USB -> serial adapter

ctn qty. 5    EDP-No. 23425



- Features:
- Provides a full COM port
  - USB to D-Sub 9 pin connector
  - Supports all common RS-232 baud rates
  - Fully UART-compatible
  - Automatic USB protocol processing
  - Suitable for all popular serial devices
  - Cable length: 1.5 m
  - Compatible with USB 1.1 / 1.0
  - Package: blister

- System requirements:
- Computer compatible with USB 1.1 or higher
  - Microsoft® Windows® 98SE, 2000, ME, XP or Vista



### USB PS/2-N USB -> 2x PS/2 adapter

ctn qty. 5    EDP-No. 23426



Provides two completely compatible PS/2 connections on PCs or notebooks

- USB to PS/2 port converter
- For simultaneous operation of PS/2 keyboard and PS/2 mouse
- PS/2 keyboard and PS/2 mouse connect to one adapter
- Compatible with USB 1.1 / 1.0
- Supports Hot Plug & Play
- Supports multimedia functions of common keyboards
- Package: blister

- System requirements:
- Computer with USB support (USB 1.1 or higher)
  - Microsoft® Windows® 98SE, 2000, ME, XP, Vista or MAC OS 9.x+



### USB PAR-N USB parallel adapter, USB to centronics

ctn qty. 5    EDP-No. 23427



Connects printer with Centronics port to USB port

- USB type A connector to Centronics 36 pin connector
- Supports standard PC parallel port applications
- Cable length: 1.8 m
- Compatible with USB 1.1 / 1.0
- Package: blister

- System requirements:
- Computer with USB support (USB 1.1 or higher)
  - Microsoft® Windows® 98SE, 2000, ME, XP, Vista or MAC OS 9.x+



## USB

## Adapters

### USB NET-N

ctn qty. 5

EDP-No. 23428

#### USB network adapter, USB to RJ45

This USB to Fast Ethernet adapter converts an USB port on a PC or notebook into a high-speed Ethernet port. Due to the USB high-speed technology Ethernet bandwidth of 100 Mbps can be supported.

- Full-speed USB standard, compatible with USB 1.1
- 10/100 Mbps Fast Ethernet controller
- Compatible with IEEE 802.3u 100 BASE-T, TX, and T4
- Supports full and half duplex modes
- Cable length: 1.8 m
- Package: blister

#### System requirements:

- Computer with USB support (USB required for 100 Mbps)
- Microsoft® Windows® 98SE, 2000, ME, XP, or Vista
- Nintendo® Wii®



### USB2 LINK PCMAC

ctn qty. 5

EDP-No. 26273 **new**

#### USB 2.0 link cable PC / MAC

USB 2.0 link cable for easy PC <-> PC, PC <-> MAC or MAC <-> MAC data exchange. Software already integrated in the cable, making an installation of drivers or software unnecessary. Simply plug the cable to a USB port, wait for the application to launch; then copy, move or rename files.

- Runs with PC and MAC – also for PC-MAC combinations
- Ready for use at any time since the software is integrated in the cable
- Software launches automatically as soon as you plug the cable to the PC
- No need to install drivers or software
- Supports High Speed USB 2.0 (480 MBit/s) – compatible with USB 1.1
- Ideal for synchronising or restoring data
- LED status display for both connections
- Intuitive software
- Plug & Play
- Package: blister

#### System requirements:

- Free USB 2.0 port
- Windows® 2000/ XP/ Vista/ Win 7
- MAC OS 10.3 or higher



PC Performance



## USB

## Adapters



**new** **USB2 ESATA**  
**USB 2.0 -> eSATA adapter**

ctn qty. 5      EDP-No. 26272

USB-Adapter to connect external hard drives with SATA- (Serial ATA) -interface. This product is required for computers which do not have built in SATA interface. E.g. notebooks due to limited space or older PCs. This device is convenient to use without opening the housing of the computer.

- Supports eSATA I und eSATA II (150MByte/s und 300MByte/s) or (1,5GBit/s und 3,0GBit/s)
- 0.1m eSATA cable included
- USB 2.0 for maximum data transfer rate
- Compatible to USB 1.1 (Not max. read/write - speed supported)
- No drivers needed
- Package: blister

**System requirements:**

- Computer with USB support (preferably USB 2.0)
- Microsoft® Windows® 2000, XP, Vista or MAC OS 9.x+



USB 2.0



Up to  
**480**  
Mbit/s

Speed



Compatibility



Incl.  
eSATA Cable



Operating Systems



Operating Systems



Operating Systems



**USB2 EXT-N**  
**Active USB 2.0 extension**

ctn qty. 5      EDP-No. 23424

Active USB 2.0 Extension, extends USB ports by 5 m

- Signal booster integrated in extension
- Maintains the USB 2.0 signal quality and ensures compliance with USB specifications
- Allows cable extensions of up to 24 m
- Supports low-speed, high-speed and full-speed devices
- Cable length: 5 m
- Package: blister

**System requirements:**

- Computer with USB support (preferably USB 2.0)
- Microsoft® Windows® 98SE, 2000, ME, XP, Vista or MAC OS 10.1+



USB 2.0



Up to  
**480**  
Mbit/s

Speed



**5m**

Length



No Driver needed



Operating Systems



Operating Systems



Operating Systems



Operating Systems



## USB

## Hubs

### USB2 SATA/IDE

ctn qty. 5

EDP-No. 23492 **new**

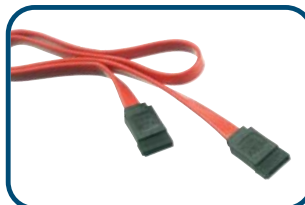
#### USB 2.0 to SATA / IDE adapter incl. power supply

Connect quickly and convenient all 2.5" / 3.5" SATA and IDE/PATA hard disk drives (HDDs) to your notebook or desktop PC via USB 2.0 interface.

- Supports high speed USB 2.0 - 480 Mbps - compatible to USB 1.1 and 1.0
- Allows an access to all 40 pin (3.5") and 44 pin (2.5") IDE and all SATA HDDs
- Compatible to Serial ATA specification 1.0
- Supports Ultra DMA 0-6 and multi word DMA 0-2
- Supports Plug & Play
- Connect all IDE optical drives as CD or DVD writer
- Supports "hot swapping"
- Including external power supply 5V 2A - 12V / 2A
- Including USB 2.0, SATA and molex to SATA cable
- Package: cardboard box

System requirements:

- Free USB 2.0 port
- Windows® 2000/ XP/ Server-2003/ Vista



USB 2.0



Speed



Compatibility



Compliant



Incl. AC/DC Adapter



Incl. SATA Cable



Easy Installation



Operating Systems



Operating Systems



No Driver needed

### USB2 HUB 7-N

ctn qty. 5

EDP-No. 23422

#### USB 2.0 hub "Compact" with 7 USB ports

Compact 7-port USB 2.0 hub for connecting up to seven USB 2.0 or USB 1.1 devices. With USB 2.0 cable and power pack.

- Elegant design with 5 USB ports at the front and 2 USB ports at the rear
- Supports data rates of up to 480 Mbps
- Meets USB specification Rev. 2.0, fully downward compatible with USB 1.X
- Suitable for all low-speed (1.5 Mbps), full-speed (12 Mbps) and high-speed (480 Mbps) USB devices
- With power supply 5 V, 3.5 A for devices with high power consumption such as USB hard disks
- Packaging: stackable blister

System requirements:

- Computer with USB support (preferably USB 2.0)
- Microsoft® Windows® 98SE, 2000, ME, XP and Vista or MAC OS 9.x+



PC Performance



USB 2.0



Speed



USB Hub



Incl. AC/DC Adapter



Operating Systems



Operating Systems



Operating Systems



Operating Systems

## USB

## Hubs



**USB2 HUB 4A-N**  
USB 2.0 hub with 4 USB ports

ctn qty. 5 EDP-No. 23442

Elegant 4-port USB 2.0 hub for connecting up to four USB 2.0 or USB 1.1 devices.  
With USB 2.0 cable and euro power pack.

- Elegant design with 4 USB ports
- 1 USB port suited for connecting bulky USB devices without blocking the other ports
- Supports data rates of up to 480 Mbps
- Meets USB specification Rev. 2.0, fully downward compatible with USB 1.x
- Suitable for all low-speed (1.5 Mbps), full-speed (12 Mbps) and high-speed (480 Mbps) USB devices
- Including function LEDs
- With power supply 5 V, 2A for devices with high power consumption such as USB hard disks
- Packaging: stackable blister

System requirements:

- Computer with USB support (preferably USB 2.0)
- Microsoft® Windows® 98SE, 2000, ME, XP, Vista, Linux or MAC OS 9.x+



**USB2 HUB 4P-A**  
USB 2.0 hub with 4 USB ports

ctn qty. 5 EDP-No. 23446

USB 2.0 hub with two ports allowing 180° rotation

USB 2.0 hub for up to 4 USB devices. For use with a PC or a notebook

- For USB devices with low power requirement (self-powered mode), e.g. USB mice and devices with their own power supply
- USB 2.0 chipset
- Compatible with USB 1.0 / 1.1
- Two ports that can be rotate by 180° to prevent the ports from being blocked by bulky USB devices
- Power supply socket for optional power supply
- 1.8 m USB lead
- Dimensions: 105 x 20 x 20 mm
- Function LED
- Packaging: blister

System requirements:

- Computer with USB support (preferably USB 2.0)
- Windows® ME, 2000, XP, Vista, MAC OS 9.x+, Linux



## USB

## Hubs

### NBK USB4 HUB P

ctn qty. 5 EDP-No. 23242

**Notebook USB hub**  
**4-port USB hub for mobile use**

- USB 2.0 hub for up to 4 USB devices
- A power supply can be connected to operate USB devices with higher power consumption
- With USB cable
- Packaging: blister

System requirements:

- Computer with USB support (preferably USB 2.0)
- Microsoft® Windows® 98SE, 2000, ME, XP, Vista or MAC OS 9.x+



### USB2 HUB 4P

ctn qty. 5 EDP-No. 23421

**Passive USB 2.0 mini hub with 4 ports**

Very compact 4 port USB 2.0 hub for connecting up to four USB 2.0 or USB 1.1. devices with low power consumption or own power supply

- Elegant design with 4 USB ports
- 1 USB port suited for connecting bulky USB devices without blocking the other ports
- Supports data rates of up to 480 Mbps
- Meets USB specification Rev. 2.0, fully downward compatible with USB 1.x
- Suitable for all low-speed (1.5 Mbps), full-speed (12 Mbps) and high-speed (480 Mbps) USB devices
- Including function LEDs
- Package: blister

System requirements:

- Computer with USB support (preferably USB 2.0)
- Microsoft® Windows® 98SE, 2000, ME, XP, Vista or MAC OS 9.x



## USB

## Hubs

### USB HUB 4A

ctn qty. 10

EDP-No. 26226

#### USB2.0 hub "Clip", 4-port, with power supply

4-port USB -2.0 hub for connecting up to four USB 2.0 or USB 1.1 devices, with USB cable and power supply



- 480 Mbps, 40 times faster than USB 1.1
- Supports the following data rates: 480 Mbps, 12 Mbps and 1.5 Mbps
- Fully downward compatible with USB 1.1
- Hot-plug compatible: peripherals can be connected and disconnected at any time
- With high performance power supply for peripherals with high consumption of current, e.g. for external HDD
- Packaging: cardboard

#### System requirements:

- Computer with USB support (preferably USB 2.0)
- Windows® 98, ME, 2000, XP or Vista



USB 2.0



Speed



USB Hub



Incl. AC/DC Adapter



Operating Systems



Operating Systems



Operating Systems



Operating Systems

new

### PRO USB2 HUB 4PN

ctn qty. 10

EDP-No. 23225

#### Passive USB 2.0 HUB with 4 ports

USB 2.0 hub for connection of up to 4 USB devices for use with a notebook or desktop PC



- For USB devices with low power requirement (self-powered mode), e.g. USB mice and devices with their own power supply
- Compatible with USB 1.0 / 1.1
- Practical recess for storing the connector in the device
- Size only: 95 x 30 x 14.5 mm
- Packaging: blister

#### System requirements:

- Computer with USB support (preferably USB 2.0)
- USB Port, Microsoft® Windows® 98SE, ME, 2000, XP or Vista, MAC OS 9.x+ and Linux

## USB

## Hubs

Environmental protection by way of energy saving becomes more and more important. Everybody is using terms like Green IT, standby current, energy efficiency or carbon dioxide emission. But everyday life is totally different. Does it annoy you when USB devices continue running although you turned off your computer? Everyday situations like the following contradict the idea of environmental friendliness:

- Hard disks continue running
- Keyboard and mice remain powered

The bazoo Green Hub series helps you save money while simultaneously protecting the environment. The switch integrated in the hub isolates all connected USB devices from the USB power supply if desired.

POWER  
SAVING

### B\_USB 2HUB 4EP

ctn qty. 6 EDP-No. 27188 **new**

Passive **ECONOMY** USB design hub with 4 USB ports and switch for complete isolation of all connected USB devices from the USB port.  
Comes with USB 2.0 cable.

- USB 2.0 supports data rates of up to 480 Mbps
- Equivalent to USB specifications Rev. 2.0, fully downwards compatible to USB 1.x
- Clever arrangement of all necessary connection combinations to prevent ports from being obstructed by large USB devices:
  - 3 ports on the top of the hub
  - 1 port on the side of the hub
- Rubber feet prevent slipping on the table
- 1.8 m USB 2.0 connection lead
- Packaging: blister in sales display

System requirements:

- Computer with USB support (preferably USB 2.0)
- Microsoft® Windows® 98SE, 2000, ME, XP, Vista, Linux or Macintosh® OS 9.x



USB 2.0 CONNECTION



HIGH SPEED



USB PORT



CABLE LENGTH



POWER  
SAVING



### B\_USB 2HUB 4EA

ctn qty. 6 EDP-No. 27189 **new**

Passive **ECONOMY** USB design hub with 4 USB ports and switch for complete isolation of all connected USB devices from the USB port.  
Comes with USB 2.0 cable and 2 A switching power supply.

- USB 2.0 supports data rates of up to 480 Mbps
- Equivalent to USB specifications Rev. 2.0, fully downwards compatible to USB 1.x
- Clever arrangement of all necessary connection combinations to prevent ports from being obstructed by large USB devices:
  - 3 ports on the top of the hub
  - 1 port on the side of the hub
- Rubber feet prevent slipping on the table
- 1.8 m USB 2.0 connection lead
- 1.8 m USB 2.0 connection lead
- 2 A switching power supply for worldwide operation, independent of mains voltage and frequency
- Packaging: blister in sales display

System requirements:

- Computer with USB support (preferably USB 2.0)
- Microsoft® Windows® 98SE, 2000, ME, XP, Vista, Linux or Macintosh® OS 9.x



USB 2.0 CONNECTION



HIGH SPEED



USB PORT



CABLE LENGTH



POWER ADAPTER



POWER  
SAVING





## USB

## Hubs



POWER  
SAVING



**new**

### B\_USB 2HUB 7EA

ctn qty. 6

EDP-No. 27190

Passive **ECONOMY** USB design hub with 7 USB ports and switch for complete isolation of all connected USB devices from the USB port.

Comes with USB 2.0 cable and 2,5 A switching power supply.

- USB 2.0 supports data rates of up to 480 Mbps
- Equivalent to USB specifications Rev. 2.0, fully downwards compatible to USB 1.x
- Clever arrangement of all necessary connection combinations to prevent ports from being obstructed by large USB devices:
  - 4 ports on the top of the hub
  - 3 ports on the side of the hub
- Rubber feet prevent slipping on the table
- 1.8 m USB 2.0 connection lead
- 2,5 A switching power supply for worldwide operation, independent of mains voltage and frequency
- Packaging: blister in sales display

System requirements:

- Computer with USB support (preferably USB 2.0)
- Microsoft® Windows® 98SE, 2000, ME, XP, Vista, Linux or Macintosh® OS 9.x



USB 2.0 CONNECTION



HIGH SPEED



USB PORT



CABLE LENGTH



POWER ADAPTER



### B\_USB 2HUB 7QA

**bazoo 7 port USB hub, active QUAD**

ctn qty. 6

EDP-No. 23227

The bazoo QUAD - Hub is highlighted by its shape, colour and design, which makes it different from mainstream products. The unique bazoo USB-plug-design with integrated Power Indication Light additionally grades up the product.

- USB 2.0 is compatible with data rates of up to 480Mbps
- Equivalent to USB specifications Rev. 2.0, fully downwards compatible to USB 1.x
- Includes switch power unit 5V, 2.5A / input voltage 100V - 240V for all mains power types
- Cleverly arranged ports for all the required combinations of connections to prevent ports from being blocked by large USB devices:
  - 3 frontside ports
  - 2 ports on top of the hub
  - 2 ports on the backside
- Piano lacquer finish
- Rubber feet prevent slipping on the table
- blue function LED
- 1.8 m USB bazoo removable connection cable
- PIL (Power Indication Light) integrated in plug
- Exclusive bazoo plug connector design
- Plug connector with special coating which is pleasant to the touch
- Packaging: blister in sales display

System requirements:

- Computer with USB support (preferably USB 2.0)
- Microsoft® Windows® 98SE, 2000, ME, XP, Vista, Linux or Macintosh® OS 9.x



USB 2.0 CONNECTION



HIGH SPEED



USB PORT



PIL-TECHNOLOGY



CABLE LENGTH



POWER ADAPTER

## USB

## Hubs

### B\_USB 2HUB 4GA

ctn qty. 6

EDP-No. 22870

**bazoo 4 port USB hub, active GLOSSY**  
2x blue, 2x green and 2x orange

GLOSSY USB design hub with 4 USB ports and connection cable with PIL\* technology.  
PlusX award winning design. In 3 colours: blue, orange, green.  
Includes USB 2.0 connection cable with bazoo PIL\* plug connector design and switch power unit.

- USB 2.0 is compatible with data rates of up to 480Mbps
- Equivalent to USB specifications Rev. 2.0, fully downwards compatible to USB 1.x
- Includes switch power unit 5 V, 2.0 A / input voltage 100 V - 240 V for all mains power types
- Clever arrangement of all necessary connection combinations to prevent ports being blocked by large USB devices:
  - 3 ports on the sides of the hub
  - 1 port on the top of the hub
- Protective cap for the upper port
- 3 glossy metallic colours (special coating)
- Rubber feet prevent slipping on the table
- 1.8 m removable USB 2.0 connection cable
- \*PIL (power indication light) integrated into the plug connector
- Exclusive bazoo plug connector design
- Plug connector with special coating which is pleasant to the touch
- Packaging: Stackable blister in sales display

System requirements:

- Computer with USB support (preferably USB 2.0)
- Microsoft® Windows® 98SE, 2000, ME, XP, Vista, Linux or Macintosh® OS 9.x



USB 2.0 CONNECTION



HIGH SPEED



USB PORT



PIL-TECHNOLOGY



CABLE LENGTH



POWER ADAPTER



### B\_USB 2HUB 4TIP

ctn qty. 6

EDP-No. 22869 **new**

**USB design hub passiv TITANIUM**

The bazoo TITANIUM - Hub stands out by its elegant metallic surface, which makes it different from mainstream competitor products. The unique bazoo USB-plug-design with integrated Power Indication Light additionally grades up the product

- USB 2.0 is compatible with data rates of up to 480Mbps
- Equivalent to USB specifications Rev. 2.0, fully downwards compatible to USB 1.x
- Includes switch power unit 5 V, 2.0 A / input voltage 100 V - 240 V for all mains power types
- Clever arrangement of all necessary connection combinations to prevent ports being blocked by large USB devices:
  - 3 ports on the sides of the hub
  - 1 port on the top of the hub
- Protective cap for the upper port
- Rubber feet prevent slipping on the table
- 1.8 m removable USB 2.0 connection cable
- \*PIL (power indication light) integrated into the plug connector
- Exclusive bazoo plug connector design
- Plug connector with special coating which is pleasant to the touch
- Packaging: blister in sales display

System requirements:

- Computer with USB support (preferably USB 2.0)
- Microsoft® Windows® 98SE, 2000, ME, XP, Vista, Linux or Macintosh® OS 9.x



USB 2.0 CONNECTION



HIGH SPEED



USB PORT



PIL-TECHNOLOGY



CABLE LENGTH



PC Performance

## USB

## Interface

### USB2 4P PCCe Express Card USB 2.0

ctn qty. 5 EDP-No. 23485

This adapter complies with the Express Card 34 standard. It adds four USB 2.0 ports to your laptop. You can connect various USB devices, such as printers, scanners, keyboards, mice, MP3 players, card readers, external housings etc., to the adapter.



- 4 external downstream USB (type A) ports
- Downwards compatible with USB 1.1 and 1.0
- Compatible with EHCI and OHCI standard
- Express Card / 34 standard
- Supports data rates of up to 480 Mbps
- Supports Express Card Plug & Play standard
- Packaging: blister

#### System requirements:

- Computer with Express Card slot 34mm
- Microsoft® Windows® 2000, XP, Server 2003, Vista



### USB2 4P PCC Cardbus -> USB 2.0 adapter with 4 USB ports

ctn qty. 5 EDP-No. 23493

This high-speed cardbus card provides 4 USB 2.0 standard interfaces. All USB devices and high-speed USB data rates are supported.



- 4 external downstream USB (type A) connections
- Supports data rates of up to 480 Mbits
- Complies with USB specifications Rev. 2.0, completely downwards compatible with USB 1.0 and 1.1
- Suitable for all low-speed (1.5 Mbit/s), full-speed (12 Mbit/s) and high-speed (480 Mbit/s) USB devices
- Compatible with CardBus "Plug & Play" standard
- Can be upgraded with an optional power unit (5V, 1.5A) for use of USB devices with an extremely high power requirement
- Packaging: blister

#### System requirements:

- Computer with 32 bit Cardbus / PCMCIA Type II slot
- Microsoft® Windows® 2000, XP, Server 2003, Vista



## USB

## Interface

### IO 4+1 USB2

ctn qty. 5 EDP-No. 23418

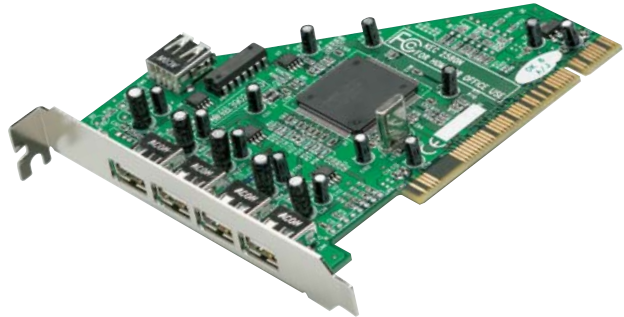
#### PCI -> USB 2.0 card 4+1 port

The high-speed USB controller card provides a USB 2.0 standard interface. This USB controller supports all USB devices and high-speed USB data rates.

- Supports maximum data rates of 480 Mbps (40 times faster than USB 1.1)
- Meets USB specification Rev. 2.0
- Downward compatible with USB 1.1
- 4 external and 1 internal downstream (type A) ports
- Supports Plug & Play standard
- Package: blister
- Suitable for all low-speed (1.5 Mbps), full-speed (12 Mbps) and high-speed (480 Mbps) USB devices

#### System requirements:

- Computer with PCI slot rev. 2.2 or kompatibel
- Microsoft® Windows® 98SE, 2000, ME, XP or Vista



### IO 2 USB2 GX-N

ctn qty. 5 EDP-No. 23417

#### PCI -> USB 2.0 card with 2 USB ports

This high-speed USB controller card provides interfaces according to the USB 2.0 standard. It supports all USB devices and high-speed USB data rates.

- 2 external downstream USB (type A) ports
- Supports data rates of up to 480 Mbps
- Meets USB specification Rev. 2.0, fully downward compatible with USB 1.X
- Suitable for all low-speed (1.5 Mbps), full-speed (12 Mbps) and high-speed (480 Mbps) USB devices
- Supports Plug & Play standard
- Packaging: cardboard box

#### System requirements:

- Computer with PCI slot Rev. 2.2 or compatible
- Microsoft® Windows® 98SE, 2000, ME, XP or Vista



PC Performance



## IEEE 1394

## FireWire®, i-LINK®

**video**  
deluxe

**MAGIX**



### 1394a 2P PCce

Express Card IEEE 1394a, 2 FireWire ports

ctn qty. 5

EDP-No. 23486

This high speed Cardbus card provides interfaces according to the IEEE 1394 standard. It upgrades your laptop with two FireWire A ports to which you can connect FireWire devices, e.g. external housings, adapters etc.

- 2 external 6-pin IEEE 1394a ports (compatible with FireWire®, i-LINK)
- IEEE 1394a port data rate up to 400 Mbps
- FireWire A specification, data transfer rates of up to 400 Mbps
- Compatible with IEEE 1394-1995, 1394a-2000
- Compatible with OHCI specification 1.1
- Includes Magix Video Deluxe SE (2007), for details see page 53
- Supports Plug & Play standard
- Packaging: blister

System requirements:

- Computer with Express Card slot, 34mm
- Microsoft® Windows® 2000, XP, Server 2003, Vista



**video**  
deluxe

**MAGIX**



### PCC 3 1394-N

PCC -> 3x IEEE 1394 ports

ctn qty. 5

EDP-No. 23432

This high speed Cardbus card provides interfaces according to the IEEE 1394 standard.

- 3 external 6-pin IEEE 1394 ports (compatible with FireWire®, i-LINK)
- IEEE 1394 port data rate up to 400 Mbps
- Incl. IEEE 1394 6-pin to 4-pin cable
- With Magix Video Deluxe SE (2007), for details see page 53
- Supports Plug & Play standard
- Can be extended with an optional power supply (12V, >1A, 3.5 x 1.3 connectors, e.g. Vivanco 19573) for operating IEEE 1394 devices with high power requirements
- Packaging: blister

System requirements:

- Computer with 32-bit Cardbus / PCMCIA type II slot
- Microsoft® Windows® 98SE, 2000, ME, XP, Vista or MAC OS 10.1+



**video**  
deluxe

**MAGIX**



### IO 3 1394-N

PCI -> 3 IEEE 1394 ports

ctn qty. 5

EDP-No. 23431

This high speed PCI controller card provides interfaces according to the IEEE 1394 standard.

- 3 external 6-pin IEEE 1394 ports (compatible with FireWire®, i-LINK)
- IEEE 1394 port data rate up to 400 Mbps
- Incl. IEEE 1394 6-pin to 4-pin cable
- With Magix Video Deluxe SE (2007), for details see page 53
- Supports Plug & Play standard
- Molex connector for power infeed directly from the PC power supply
- Packaging: blister

System requirements:

- Computer with PCI slot Rev. 2.2 or compatible
- Microsoft® Windows® 98SE, 2000, ME, XP or Vista





## Interface & IO

## IDE & S-ATA

### USB2 SATA/IDE

ctn qty. 5

EDP-No. 23492 **new**

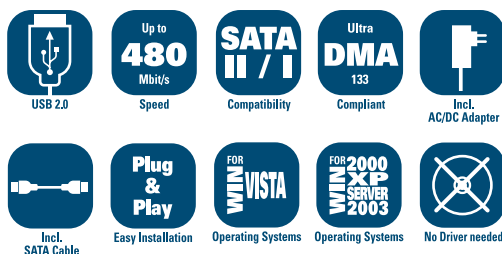
#### USB 2.0 to SATA / IDE adapter incl. power supply

Connect quickly and convenient all 2.5" / 3.5" SATA and IDE/PATA hard disk drives (HDDs) to your notebook or desktop PC via USB 2.0 interface.

- Supports high speed USB 2.0 - 480 Mbps - compatible to USB 1.1 and 1.0
- Allows an access to all 40 pin (3.5") and 44 pin (2.5") IDE and all SATA HDDs
- Compatible to Serial ATA specification 1.0
- Supports Ultra DMA 0-6 and multi word DMA 0-2
- Supports Plug & Play
- Connect all IDE optical drives as CD or DVD writer
- Supports "hot swapping"
- Including external power supply 5V 2A - 12V / 2A
- Including USB 2.0, SATA and molex to SATA cable
- Package: cardboard box

System requirements:

- Free USB 2.0 Port
- Windows® 2000/ XP/ Server-2003/ Vista



### eSATA 2P PCCe

ctn qty. 5

EDP-No. 23484

#### Express Card eSATA II

This Express Card adapter is upgrading your Notebook by two eSATA II ports . It allows you to connect high speed devies e.g. external SATA harddisks.

- 2x eSATA II/I
- Fully compliant with ExpressCard Specification 1.0
- ExpressCard/34 Form Factor Module
- SATA II specification, data transfer rates of up to 3 Gbit/s (300 MByte/s)
- Downwards compatible with SATA I specification 1.5 Gbit/s (150 MByte/s)
- Compatible with SATA Port Multiplier (several SATA devices on one port)
- Compatible with Native Command Queuing (NCQ)
- Compatible with Plug & Play
- Packaging: blister

System requirements:

- Free 34 mm Express Card slot
- Microsoft® Windows® 2000,XP, Server 2003, Vista 32/64 bit



## Interface & IO

## IDE & S-ATA

### PCI UDMA 133-N

ctn qty. 5

EDP-No. 23409

#### PCI -> UDMA 133 controller with RAID

This High-Speed PCI Controller card provides two UDMA 133 RAID Interfaces.



- Supports RAID 0, RAID 1, RAID 0+1
- Maximum data rates of up to 133 MB/sec..
- Supports a maximum of 4 IDE/ATA devices
- Two independent Ultra ATA channels with 256 byte FIFO / channel
- Enhances data integrity of transferred data due to CRC protection and control
- Compatible with UDMA ATA/133 specifications
- Compatible with PCI rev. 2.2 specifications
- Package: blister

System requirements:

- Computer with PCI slot Rev. 2.2 or compatible
- Microsoft® Windows® 98SE, 2000, ME, NT, XP or Vista



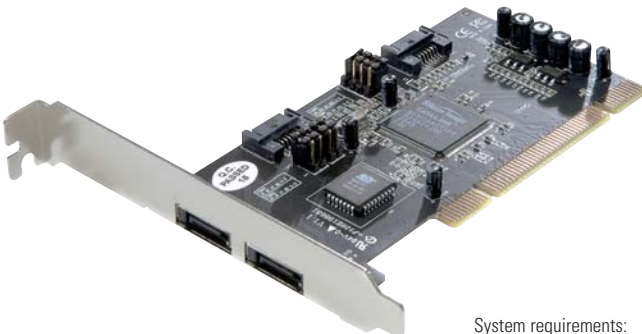
### PCI SATA 4R-N

ctn qty. 5

EDP-No. 23410

#### PCI -> 2x S-ATA RAID controller

This High-Speed PCI controller Card provides two S-ATA RAID Interfaces.



- Compatible with Serial ATA specification version 1.0 and PCI specification version 2.0
- Joint operation with Ultra ATA controller and connection of up to 2 SATA devices possible
- Up to 2 devices can be optionally connected to 2 external and 2 internal ports
- Supports the 32 bit wide PCI bus with 66 MHz and
- Data transfer rates up to 150 MB/sec (1.5 Gb/s)
- Dual independent DMA channels with 256 KB FIFO / channel
- Software RAID 0 (striped) and RAID 1 (mirrored) support.
- GUI system monitoring
- RAID Set information display/logging/warning
- Administration of RAID Set functions (configuration, restore, etc.)
- 2 SATA data cables and 2 SATA power cables included
- Package: blister

System requirements:

- Computer with PCI slot Rev. 2.2 or compatible
- Microsoft® Windows® 98SE, 2000, ME, NT, XP or Vista



### E-SATA SLOT

ctn qty. 5

EDP-No. 21552

#### Slot bracket with 2 external S-ATA ports

This slot bracket is used to make S-ATA interfaces on the main board or on controller cards available to external S-ATA II / S-ATA I devices.



- 2 external S-ATA II input jacks
- Data transfer rates up to 300 MB/s
- Compatible with SATA I 150 MB/s
- 2x 50 cm S-ATA cable with L-type connectors
- Package: blister

System requirements:

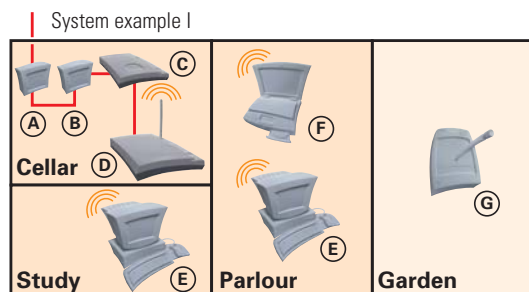
- Computer with S-ATA interfaces on the main board or on controller cards
- A free space for slot brackets



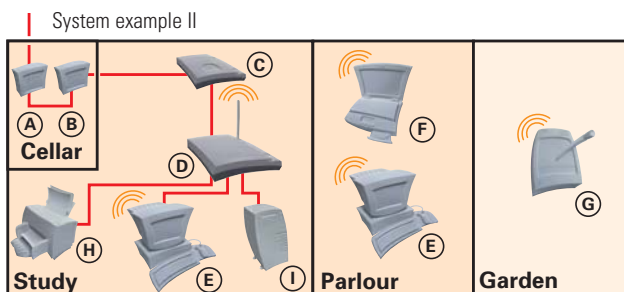
## Wireless LAN

The terms "WLAN" or "wireless LAN" refer to the technology and products needed to integrate computers, PDAs, smartphones, multimedia servers or games consoles into a local area network WITHOUT CABLES. Often it is not possible to install network cables in buildings, e.g. rented flats (see system example I).

WLAN is the solution to this problem: computers and WLAN compatible devices can be arranged throughout buildings fully flexibly. The devices are even connected to each other, with network printers, memory devices and the internet through walls. When using notebooks or PDA, freedom is unlimited and there are no longer any cables to limit mobility (see system example II).



Internet in the whole house:  
Online shopping.  
Online banking  
Media datenbank



(A) : Domestic telephone line  
(B) : Splitter  
(C) : DSL modem  
(D) : WLAN router  
(E) : Desktop PC with WLAN capability

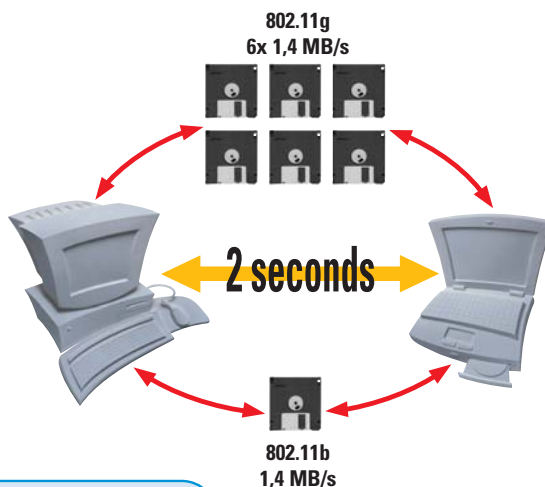
(F) : Notebook  
(G) : PDA/SMARTPHONE  
(Z) : Printer with PrintServer  
(I) : NAS = Network attached storage

### Speed of WLAN networks:

All WLAN technology is based on the IEEE 802.11 standard. There are currently 2 subordinated standards which defined the basic speeds for this 2.4 GHz radio technology.

The IEEE 802.11b standard provides a gross data transfer rate of up to 11 Mbps\* fo which approximately up to 1.4 MBps\* can be transferred with the protocol technology. i.e. the content of a floppy disk per second. The IEEE 802.11g standard provides 54 Mbps\* gross data transfer rate of which only 27 MBps is useable for data.

This is roughly equivalent to the content of 3 floppy disks per second.



#### Wireless Network

802.11b Standard 2,4 GHz

11 Mbps

IEEE 802.11b based networks are sufficient for occasional internet surfing with no major download requirement.

#### Wireless Network

802.11b/g Standard 2,4 GHz

54 Mbps

IEEE 802.11g based networks are sufficient for normal applications such as internet, e-mail or transmitting audio streams\*.

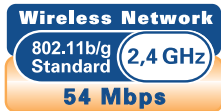
\*Mbps = million bits per seconds

\*MBps = million bytes per seconds; 8 Bit = 1 Byte;

\*Streams = simultaneous transfer and reproduction of media data

## Wireless LAN

**54 Mbps**



### WLAN USB 54-N

ctn qty. 5

EDP-No. 23413

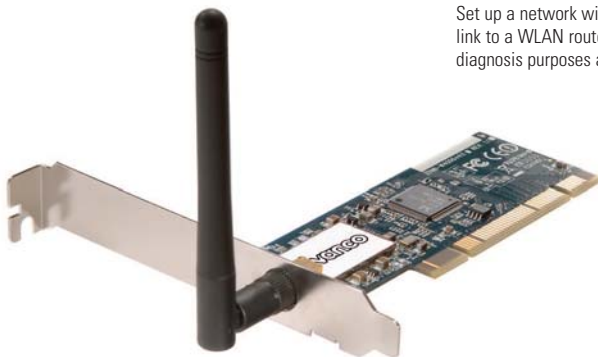
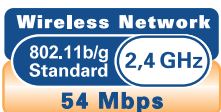
#### Wireless LAN USB adapter. 54 Mbps

This extremely compact USB 2.0 to Wireless LAN adapter allows wireless communication between a desktop or notebook PC and other Wireless LAN devices. This adapter not only allows to set up a network but also provides access to the Internet via hotspots in public locations. Easy to operate applications for configuration, monitoring and diagnosis purposes are enclosed.

- IEEE 802.11b/g standard
- Compatible with 802.11b and 802.11g standard devices
- 64-/128-bit WEP and WPA encryption for data security
- Range: up to 100 m in buildings, up to 300 m out of doors (depends on ambient conditions)
- LED indicator for Link Status
- Dimensions: 77 x 26 x 12 mm
- Packaging: cardboard box

#### System requirements:

- Computer with USB support (USB 2.0 is required for max. data rates)
- Microsoft® Windows® 98SE, 2000, ME, XP or Vista



### WLAN PCI 54-N

ctn qty. 5

EDP-No. 23415

#### Wireless LAN PCI card. 54 Mbps

This Wireless LAN PCI card allows wireless communication with highest data rates.

The 802.11b/g standard supports data rates of up to 54 Mbps.

Set up a network without routing any cables or allow your PC to access the Internet by wireless link to a WLAN router for example. Easy to operate applications for configuration, monitoring and diagnosis purposes are enclosed.

- IEEE 802.11b/g standard
- Compatible with 802.11b and 802.11g standard devices
- 64- / 128-bit WEP and WPA encryption for data security
- Range: up to 100 m in buildings, up to 300 m out of doors (depends on ambient conditions)
- LED indicator for Power and Link Status
- Packaging: cardboard box

#### System requirements:

- Computer with PCI slot Rev. 2.2 or compatible
- Microsoft® Windows® 98SE, 2000, ME, XP or Vista



## Wireless LAN

54 Mbps

### WLAN PCC 54-N

Wireless LAN Cardbus adapter, 54 Mbps

ctn qty. 5

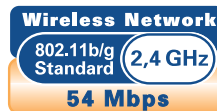
EDP-No. 23416

This Cardbus Wireless LAN adapter allows wireless communication with highest data rates. The 802.11b/g standard supports data rates of up to 54 Mbps. This adapter not only allows to set up anetwork but also provides access to the Internet via hotspots in public locations. Comes with easy tooperate applications for configuration, monitoring and diagnosis purposes.

- IEEE 802.11b/g standard
- Compatible with 802.11b and 802.11g standard devices
- 64-/128-bit WEP and WPA encryption for data security
- Range: up to 100 m in buildings, up to 300 m out of doors (depends on ambient conditions)
- LED indicator for Power and Link Status
- Packaging: cardboard box

System requirements:

- Computer with 32-bit Cardbus / PCMCIA type II slot
- Microsoft® Windows® 98SE, 2000, ME, XP or Vista



### WLAN ROUT 54-N

Wireless LAN 4-port router, 54 Mbps

ctn qty. 5

EDP-No. 23414

Typical applications:

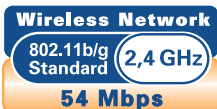
- Several PCs share a fast broadband internet connection via cable or wireless
- Joint usage of printers, scanners or storage media
- Online games and eCommerce
- Firewall function for more security and protection against hackers

Characteristics:

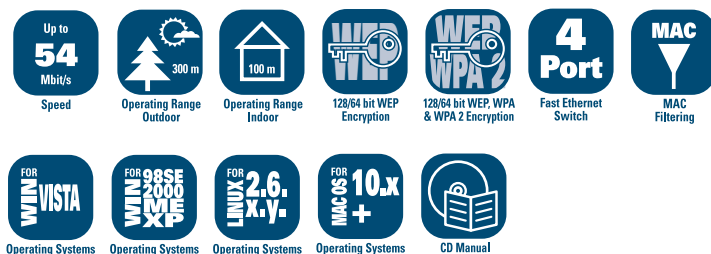
- Supports the PPPoE and PPTP protocol for ADSL
- Supports NAT; one single IP address for all network members
- Supports 64/128 bit WEP encryption, WPA security, MAC filtering, packet filtering
- 10/100 Mbps data rate via the LAN switch
- Data rates of up to 54 Mbps via the WLAN Access Point
- DHCP server and client / virtual server mapping / DNS
- Firmware can be updated for later enhancements
- Quick start with Installation Wizard
- Easy configuration with web browser
- Packaging: cardboard box

System requirements:

- PC with Ethernet interface and web browser for router configuration and administration



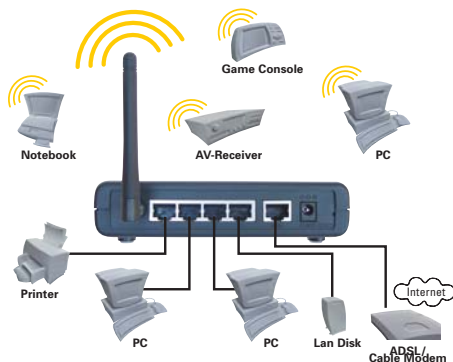
PC Performance





## Wireless LAN

54 Mbps



This integrated router forms the centrepiece of a wired / wireless network.

It combines Internet Gateway and Wireless LAN Access Point with a 4 port 10/100 Ethernet switch. It has been conceived for home and office use and facilitates joint use of an internet connection, data memories or printers in a flexible network.

This product does not just provide several different features but makes initialisation and configuration possible in minutes.

The network and joint use of the internet can generate real savings.



**new**

### WLAN ANT

ctn qty. 5

EDP-No. 26261

**WLAN aerial with magnetic foot, 5 dB gain to extend the operation range**

External aerial to improve the reach of an existing WLAN network.

Can be connected to routers, WLAN cards and Access Points with R-SMA connector.

- Height: 21.2 cm
- Comes with 1.5 m connection cable with R-SMA connector
- Swivels by 90°
- Large magnetic foot ensures stability. Magnet lets you fasten the aerial, for example, to the radiator
- Frequency range: 2400 – 2,500 MHz
- Impedance: 50 Ohms nominal
- VSWR: 1 : 1.5
- Gain: 5 dBi
- Polarisation vertical
- Verpackung: blister

System requirements: - WLAN adapter or router with screwed aerial  
- WLAN adapter or router with R-SMA connector



## Network

## Interface

### Why gigabit networks?

For Ethernet networks, i.e. networks which are connected by twisted pair cables, two different speed levels are defined, 10 Mbps\* technology hardly figures anymore. 100 Mbps\* technology is already widespread and sufficient for most applications.

If extremely fast connections are required, 1000 Mbps\* or gigabit Ethernet technology can be used. It is important to note that all components, i.e. network cards, switches, routers and cables, have to be gigabit compatible.

Cables must correspond to at least CAT 5e.

\*Mbps = Mega Bits per second

## Network

## Interface

### NET 1000 PCI-N

ctn qty. 5

EDP-No. 23406

#### PCI -> 10/100/1000 Mbps Ethernet Card

This 10/100/1000 Mbps Gigabit Ethernet PCI card offers cutting-edge technology for wired networks. It is ideal if you wish to boost data transfer speed, e.g. for video conferencing or other applications with large data volumes.

- IEEE 802.3, 802.3u & 802.3ab standard
- Fully compatible with existing 10/100 Mbps networks
- RJ45 port with automatic detection of 10 Mbps / 100 Mbps Fast / 1000 Mbps Gigabit Ethernet
- RJ45 port supports auto-uplink (MDI-II / MDI-X) for all three speeds
- Full duplex (20/200/2000 Mbps)
- Supports IEEE 802.1Q VLAN
- Supports PCI 2.2 Wake-On-Lan power management
- LEDs on the bracket indicate the network status
- Package: blister

#### System requirements:

- Compatible with PCI 2.1 and 2.2 specifications
- Microsoft® Windows® 98 SE, 2000, ME, XP or Vista



### NET 100 GX PCI-N

ctn qty. 10

EDP-No. 23412

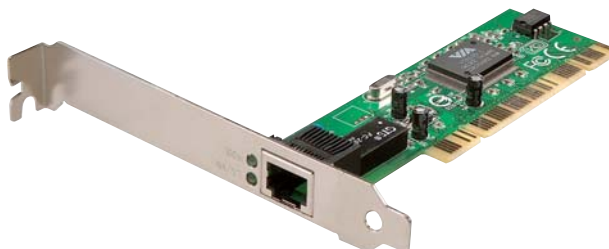
#### PCI -> 10/100 Mbps Ethernet Card

This 10/100 Fast Ethernet PCI card lets you link your PC to a network or replaces defective or legacy 10 Mbps adapters.

- For all networks compliant with the Fast Ethernet (100 Mbps) or Ethernet (max. 10 Mbps) standards
- IEEE 802.3, 10BASE-T & IEEE 802.3u 100Base-TX compatible
- Full duplex (20/200/2000 Mbps)
- RJ45 UTP (up to 10 Mbps only) or STP (100 Mbps) connection
- Supports PCI 2.2 Wake-On-Lan power management
- LEDs on the bracket indicate the network status
- Easy installation even for beginners due to P&P
- Package: cardboard box

#### System requirements:

- Computer with PCI slot Rev. 2.2 or compatible
- Microsoft® Windows® 98 SE, 2000, ME, XP, Vista



## Network

## Switches



### NET 100 SW5-N 10/100Mbps Ethernet switch with 5 ports

ctn qty. 5 EDP-No. 23407

Fast Ethernet Switch for establishing a star topology network of up to 5 network members such as PCs, print servers or NAS.

- For all 10/100 Mbps networks
- Standards: IEEE 802.3 (10Base-T), 802.3u (100Base-TX) and 802.3x (full duplex flow control)
- 5 RJ45 ports with auto-uplink
- Automatic detection of 100 Mbps or 10 Mbps data rates
- Supports full duplex (20/200 Mbps) and half duplex (10/100 Mbps) modes
- Network status indication by LEDs
- Dimensions: 125 x 70 x 30 mm
- With magnetic feet for fastening on the PC case, for example
- Packaging: blister

System requirements:  
- Existing Ethernet network with 10/100 Mbps



### NET 100 SW8-N 10/100Mbps Ethernet switch with 8 ports

ctn qty. 5 EDP-No. 23408

Fast Ethernet Switch for establishing a star topology network of up to 8 network members such as PCs, print servers or NAS.

- For all 10/100 Mbps networks
- Standards: IEEE 802.3 (10Base-T), 802.3u (100Base-TX) and 802.3x (full duplex flow control)
- 8 RJ45 ports with auto-uplink
- Automatic detection of 100 Mbps or 10 Mbps data rates
- Supports full duplex (20/200 Mbps) and half duplex (10/100 Mbps) modes
- Network status indication by LEDs
- Dimensions: 125 x 70 x 30 mm
- With magnetic feet for fastening on the PC case, for example
- Packaging: cardboard

System requirements:  
- Existing Ethernet 10/100 Mbps network



## Card Readers

### RW 38-1 U2 P

USB 2.0 -> 38-in-1 Memory Card Reader

Packaging: cardboard box

ctn qty. 5

EDP-No. 22443

### RW 38-1 USB2-N

USB 2.0 -> 56 in 1 Memory Card Reader

Packaging: blister

ctn qty. 5

EDP-No. 23454

Compact 56-in-1 card reader for reading and writing memory cards. Supports the highest read and write rates due to the fast USB 2.0 (interface supports up to 480 Mbps). The memory card reader is equipped with a particularly high number of individual card slots.

- 4 combined card slots for memory cards of the following types:  
 CF-Slot: CF I / CF II / Extreme CF / Extreme III CF / Ultra II CF / HS CF / XS CF / CF Pro / CF Elite Pro / CF Pro2 / MD / Magicstore /  
 EMBEDDED MD / CF-Platinum  
 SM- xD-Slot: SM / SM-ROM / xD / XD(M) / SSFDC  
 MS-Slot: MS / MS-PRO / MS DUO / MS-PRO DUO\* / MS MG /  
 MS-PRO MG / MS-DUO MG\* / MS-PRO DUO MG\* /  
 Extreme MS PRO / Extreme III MS PRO / Ultra II MS PRO /  
 HS MS PRO / HS MS PRO DUO\* / MS ROM / MS SELECT /  
 MS PRO HG / MS PRO HG DUO\* / Memory Stick micro\*  
 SD-Slot: SD / MINI-SD\* / HS MINI SD\* / Extreme SD / SD-Mobile /  
 Extreme III SD / Ultra II SD / SD-Ultra-X / Ultra Speed SD /  
 SD PRO / SD Elite PRO / HS SD / MMC / HS MMC /  
 HS RS MMC\* / RS-MMC\* / SDHC / T-Flash\* / MMC Micro /  
 Micro SD\*

\* adapter required

- Power is supplied via USB connection

System requirements:

- Computer with USB support (for max. data rates USB 2.0 is required)  
 - Microsoft® Windows® 98SE, 2000, ME, XP, Vista or MAC OS 10+



PC Performance

### NBK USB SD/MMC

Notebook card reader

For miniSD/SD/MMC/RS-MMC memory cards

ctn qty. 5

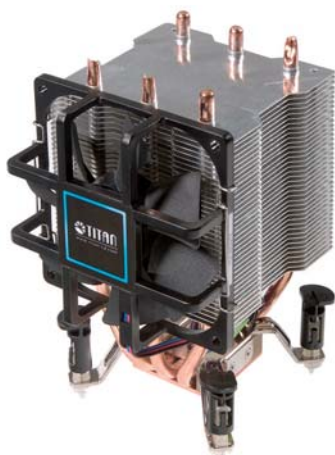
EDP-No. 23243

Compact USB2.0 card reader for reading from/writing to memory cards

- For SD/miniSD and MMC/RS-MMC memory cards, also high capacity cards  
 - USB plug hides inside the reader for safe transport  
 - Special surface coating for enhanced grip



## Case Components, CPU Cooler



### CPU COOL PIPE

ctn qty. 5 EDP-No. 23440

Universal heatpipe cooler for the latest generation of AMD and Intel CPUs

High-performance CPU cooler with heatpipe technology for all the latest AMD and Intel processors: AMD\* Athlon 64 (socket 754, 939, 940, 940 AM2) up to AMD FX 62, Intel\* socket 775 (Intel Celeron, Intel P4, Intel D (Dual Core), Core 2 Duo, Core 2 Quad, Core 2 Extreme

- Heat sink with copper core
- Super silent 92 mm fan
- With high performance liquid bearings (Z-axis bearing)
- With fastening material for different series
- With thermal compound
- Fixed speed: 2200 rpm
- Air flow: max. 63.12 m³/h
- Noise level: < 26.9 dBA
- Packaging: blister



## Case Components, Graphics Card Cooler



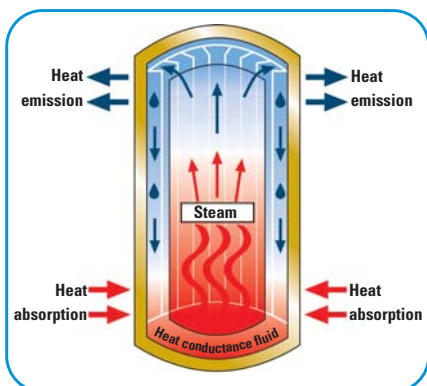
### VGA COOL PIPE

ctn qty. 5 EDP-No. 23448

Universal heatpipe graphics card cooler for current GPUs

Powerful universal graphics card GPU cooler with heatpipe technology for current graphics cards with ATI and Nvidia Geforce chipsets.

- Heat sink with copper core
- Two super silent 70 mm fans
- With high performance liquid bearings (Z-axis bearing)
- With fastening material for different series
- With thermal compound
- Fixed speed: 2000 rpm
- Air flow: max. 52.7 m³/h
- Noise level: < 26.2 dBA
- Packaging: blister



### Heatpipe

designates a new effective and powerful heat transfer system for the IT sector.

A heatpipe can dissipate heat 100 times faster than a copper heat sink and 200 times faster than an aluminium heat sink.

#### Function principle:

- The end of the copper heatpipe coming into contact with the CPU picks up the heat. The transfer medium inside the pipe starts to boil (the vacuum in a heatpipe results in a very low boiling point of the medium)
- The resulting vapour moves to the other end of the heatpipe. The vapourised medium condenses and turns liquid when it comes into contact with a cold source.
- The wick (capillaries on the heatpipe inside) picks up the coolant and transports it back to the initial point using capillary force. A closed circuit is thus formed.



## Case Components, Accessories

### Heat Paste

ctn qty. 5 EDP-No. 23451

#### Thermal Compound , 3 g

Vivanco's HEATPASTE thermal paste is produced using an outstanding nano technology-based manufacturing technique and thus ideally suited for balancing out any unevenness between CPUs and heat sinks. The nano grease can also be used on graphic cards for better thermal conductivity between the GPU (graphic processor unit) and the heat sink.

- High thermal conductivity
- Ideally suited for use on CPUs and GPUs
- Thermal Conductivity 4.5 W/m-K
- Thermal Impedance 0.205° C - in 2/W
- Operation Temperature -50 ~ 240° C
- Net weight: 3 g
- With spatula for spreading the thermal paste
- Silicone Compounds 50 %
- Carbon Compounds 30 %
- Metal Oxide Compounds 20 %



Thermal Grease



Temperature Range

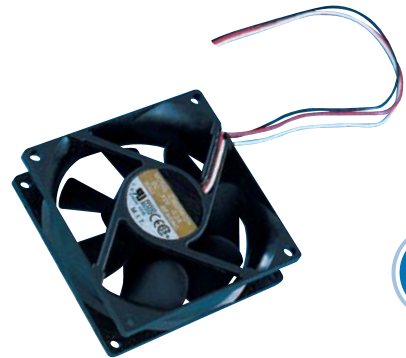
## Case Components, Case Fans

### CHASSIS COOL

ctn qty. 5 EDP-No. 23435

#### Universal case fan

- Universal size
- Low noise
- Aerodynamically optimised
- Dimensions: 80 x 80 x 25 mm
- Installation requires basic knowledge of electrics
- Also suited for other applications
- Package: blister



FAN Size



Low Noise



Input



Incl. Power Adapter



Screws Included



Easy Installation

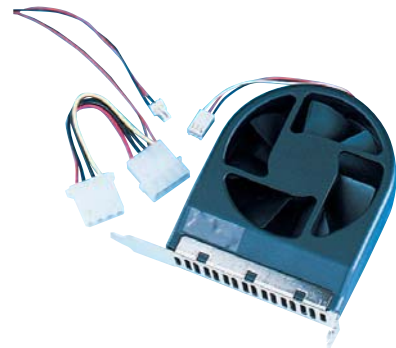
PC Performance

### SLOT COOL

ctn qty. 5 EDP-No. 23434

#### Case cooler for slot installation

- Improves ventilation and cooling in cramped PC cases
- For installation in an empty slot on the PC rear
- Also suitable as additional fan for graphics adapters
- Integrated air duct
- Aerodynamically optimised
- Package: blister



ISA/PCI Slot



Low Noise



Input



Incl. Power Adapter



Easy Installation