



PSION TEKLOGIX, Inc.
WorkAbout Pro G2, WorkAbout 3, Ikon, Neo and 753x
RFID PRODUCT GUIDE – North America

RFID UHF Passive Options For WorkAbout Pro G2 and 3:

RFID Products for WAP G2	Frequency / Output Power	Slot Occupied	RFID Module	End Cap / Antenna Type	BAAN Item No.	Approvals	Tag Protocol / Tag Type
RFID Module UHF-CA3-A5-G2 	915 MHz / 500mW (27dBm)	XMOD (100 pin)	CAEN Module A528* (FCC Part 15, ETSI EN 302 208)	MPEC** No GPRS / Linear Polarization*	1051585	FCC:GM3UHCA3A5 IC: 2739D-CA3A5	EPC Class 1 GEN2
RFID Module UHF-CA3-AC5-GPRS 	915 MHz / 500mW (27dBm)	XMOD (100 pin)	CAEN Module A528* (FCC Part 15, ETSI EN 302 208)	Backplate, GPRS mandatory (must be purchased separately***) / Circular Polarization*	1100625	FCC:GM3UHCA3A5 GPRS IC: 2739D-CA3A5GPRS	EPC Class 1 GEN2
RFID Module UHF-CA3-AC5-XMOD 	915 MHz / 500mW (27dBm)	XMOD (100 pin)	CAEN Module A528* (FCC Part 15, ETSI EN 302 208)	Backplate, No GPRS / Circular Polarization*	1100645	FCC:GM3UHCA3A5 IC: 2739D-CA3A5	EPC Class 1 GEN2

Note 1: Linear antenna reads the tags in horizontal position only; Circular antenna reads the tags in all positions (horizontal and vertical). *Provided with the RFID Solution.

Note 2: MPEC = MultiPurpose EndCap – located at the top of the unit

Note 3: Mandatory requirement for this option: GPRS radio with power connector, model RA3030-G2

Note 4: SDKs and demo applications for the above listed readers can be found on the Psion Teklogix website in the developers section of [Ingenuity Working](#).



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UHF Passive Compatibility Matrix for WAP G2 and 3:

RFID Products	Slot/Interface	Imager & Laser Pod Options	Imager & Laser End Cap Options	End Cap	WIFI Option (1)	GPRS Option (2)	UMTS option	GPS option
RFID Module UHF-CA3-A5-G2 CAEN Module (NA) BAAN MPEC: 1051585	XMOD (100 pin)	All	NO	MPEC(*) – occupied by UHF antenna	Yes	NO	NO	NO
RFID Module UHF-CA3-AC5-GPRS CAEN Module (NA) BAAN MPEC: 1100625	XMOD (100 pin)	NO	Yes Exception: NO LORAX , or HHP 5180 compatibility	Free	Yes	Yes	No	<i>Possible – to be investigated</i>
RFID Module UHF-CA3-AC5-XMOD CAEN Module (NA) BAAN MPEC: 1100625	XMOD (100 pin)	NO	NO	Free	Yes	No	NO	<i>Possible – to be investigated</i>

		Available
		Not Available





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RFID UHF Passive Options For 7535 G2:

RFID Products for 7535 G2	Frequency / Output Power	Slot Occupied	RFID Module	End Cap / Antenna Type	BAAN Item No.	Approvals	Tag Protocol / Tag Type
RFID Module UHF RD7950  	915 MHz / 1Watt (30dBm)	External TETHER Port	AWID Module*	Standard / Circular Polarization*	RD7950	FCC Id: GM3RD7950 IC Id: 2739-RD7950	EPC Class 0, 0+, 1 GEN2, ISO 18000-6B / EM Micro

Note 1: SDK for the above listed reader can be found on the Psion Teklogix website in the developers section of [Ingenuity Working](#).

Note 2: Lorax version will require different hardware (longer screws, washers) in order to properly attach the reader to the handheld.

UHF Passive Compatibility Matrix for 7535 G2:

RFID Products	Slot/Interface	Imager & Laser Options	GPRS	GPS	WIFI Option
UHF RD7950 NA: AWID Module (FCC, Canada) BAAN: RD7950	External Tether Port	All (see Note 2)	NO	NO	Internal CF slot – not user accessible

	Available
	Not Available







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RFID HF Passive Options For WorkAbout Pro G2 and 3:

RFID Products for WAP G2	Frequency / Power Output	Slot Occupied	RFID Module	End Cap / Antenna Type	BAAN Item No.	Approvals	Tag Protocol / Tag Type
 RFID Module HF-T2-G2 	13.56 MHz / 250 mW	USB (End Cap based)	TAGSYS Module MEDIO S002*	MPEC* with GSM antenna shroud / Horizontal Antenna*	1051310	FCC Id: GM3HFT2G2 IC Id: 2739D-HFT2G2	ISO 15693, ISO 18000, / TAGSYS (C210, C240, C220), Philips I-Code™, TI Tag It™,
 RFID Module HF-AM1-G2 	13.56 MHz / 200 mW	USB (End Cap based)	HID Module Multi ISO*	MPEC* with GSM antenna shroud / Horizontal Antenna*	1051270	FCC Id: GM3HFAM1G2 IC Id: 2739D-HFAM1G2	See note 2

Note 1: * Provided with the RFID Solution.

Note 2:

RFID MODULE HF-AM1-G2				
Tag Protocol	ISO 14443A/B, ISO 15693, ISO 18000-3, NFC enabled, ICODE			
Tag type	<table border="0"> <tr> <td> mifare® Standard mifare® 4k mifare® Pro mifare® Ultralight mifare® DESFIRE mifare® SmartMX I-CODE SLI (SL2 ICS 20) I-CODE EPC (SL2 ICS 10) I-CODE UID (SL2 ICS 11) I-CODE NFC (Reader To Tag Mode) </td> <td> SLE 55Rxx SRF55VxxP +S SLE 66CL160S SLE 66CLX320P SR176 SR1X4K LRI 64 LRI 512 EM4135 KSW Temp Sens® </td> <td> Tag-it™ HF-I Standard Tag-it™ HF-I Pro Jewel Tag Sharp B ASK GTML ASK GTML2ISO TOSMART P032/P064 </td> </tr> </table>	mifare® Standard mifare® 4k mifare® Pro mifare® Ultralight mifare® DESFIRE mifare® SmartMX I-CODE SLI (SL2 ICS 20) I-CODE EPC (SL2 ICS 10) I-CODE UID (SL2 ICS 11) I-CODE NFC (Reader To Tag Mode)	SLE 55Rxx SRF55VxxP +S SLE 66CL160S SLE 66CLX320P SR176 SR1X4K LRI 64 LRI 512 EM4135 KSW Temp Sens®	Tag-it™ HF-I Standard Tag-it™ HF-I Pro Jewel Tag Sharp B ASK GTML ASK GTML2ISO TOSMART P032/P064
mifare® Standard mifare® 4k mifare® Pro mifare® Ultralight mifare® DESFIRE mifare® SmartMX I-CODE SLI (SL2 ICS 20) I-CODE EPC (SL2 ICS 10) I-CODE UID (SL2 ICS 11) I-CODE NFC (Reader To Tag Mode)	SLE 55Rxx SRF55VxxP +S SLE 66CL160S SLE 66CLX320P SR176 SR1X4K LRI 64 LRI 512 EM4135 KSW Temp Sens®	Tag-it™ HF-I Standard Tag-it™ HF-I Pro Jewel Tag Sharp B ASK GTML ASK GTML2ISO TOSMART P032/P064		

Note 3: MPEC = MultiPurpose EndCap

Note 4: SDKs and demo applications for the above listed readers can be found on the Psion Teklogix website in the developers section of [Ingenuity Working](#).

Note 5: Xmod version of Tagsys reader – p/n 1004320



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HF Compatibility Matrix for WAP G2 and 3:

RFID Products	Slot/Interface	Imager & Laser Pod Options	Imager & Laser End Cap Options	End Cap	WiFi Option (1)	GPRS Option (2)	UMTS option	GPS option
RFID Module HF-T2-G2 TAGSYS Module (FCC, Canada) BAAN MPEC GPRS: 1051310	USB End Cap	All	NO	MPEC with GPRS shroud(*) - Occupied by reader and antenna	Yes	Yes, with USB module only	NO	NO
RFID Module HF-AM1-G2 HID Module (FCC, Canada) BAAN MPEC GPRS: 1051270	USB End Cap	All	NO	MPEC with GPRS shroud(*) – Occupied by reader and antenna	Yes	Yes, with USB module only	NO	NO

	Available
	Not Available





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RFID HF Passive Options For Ikon:

RFID Products for IKON	Frequency / Power	Slot	RFID Module	End Cap / Antenna	BAAN Item	Approvals	Tag Protocol / Tag Type
RFID Module HF-AM1-IKON  	13.56 MHz / 200 mW	Tethered Snap On Power jack for battery charge	HID Module Multi ISO 2 SAM slots	Snap On Module / Bottom Antenna	CH1071A	CE FCC Id: GM3HFAM1IKON IC: 2739D-HFA1IKON	See note 1 Full Mifare compatible 2 SAM slots (Security Access Module)

Note 1:

RFID MODULE HF-AM1-G2		
Tag Protocol	ISO 14443A/B, ISO 15693, ISO 18000-3, NFC enabled, ICODE	
Tag type	mifare [®] Standard mifare [®] 4k mifare [®] Pro mifare [®] Ultralight mifare [®] DESFIRE mifare [®] SmartMX I-CODE SLI (SL2 ICS 20) I-CODE EPC (SL2 ICS 10) I-CODE UID (SL2 ICS 11) I-CODE NFC (Reader To Tag Mode)	SLE 55Rxx SRF55VxxP +S SLE 66CL160S SLE 66CLX320P SR176 SR1X4K LRI 64 LRI 512 EM4135 KSW Temp Sens [®]
		Tag-it™ HF-I Standard Tag-it™ HF-I Pro Jewel Tag Sharp B ASK GTML ASK GTML2ISO TOSMART P032/P064

HF Compatibility Options for IKON:

RFID Products	Slot	Imager & Laser End Cap Options	WIFI Option	UMTS Option	GPS Option
RFID Module HF-AM1-IKON BAAN: CH1071A	TETHER Snap on module	Internal	Internal	Internal	Internal

	Available
	Not Available





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RFID HF Passive Options For Neo:

RFID Products for IKON	Frequency / Power	Slot	RFID Module	End Cap / Antenna	BAAN Item	Approvals	Tag Protocol / Tag Type
RFID Module HF-AM1-Neo  	13.56 MHz / 200 mW	50 pin expansion on back of unit	HID Module Multi ISO 2 SAM slots	Snap On Module / Bottom Antenna	PX3070	CE FCC Id: GM3HFAM1Neo IC: 2739D-HFA1Neo	See note 1 Full Mifare compatible 2 SAM slots (Security Access Module)

Note 1:



RFID MODULE HF-AM1-G2		
Tag Protocol	ISO 14443A/B, ISO 15693, ISO 18000-3, NFC enabled, ICODE	
Tag type	mifare [®] Standard mifare [®] 4k mifare [®] Pro mifare [®] Ultralight mifare [®] DESFIRE mifare [®] SmartMX I-CODE SLI (SL2 ICS 20) I-CODE EPC (SL2 ICS 10) I-CODE UID (SL2 ICS 11) I-CODE NFC (Reader To Tag Mode)	SLE 55Rxx SRF55VxxP +S SLE 66CL160S SLE 66CLX320P SR176 SR1X4K LRI 64 LRI 512 EM4135 KSW Temp Sens [®]
	Tag-it™ HF-I Standard Tag-it™ HF-I Pro Jewel Tag Sharp B ASK GTML ASK GTML2ISO TOSMART P032/P064	



HF Compatibility Options for Neo:



RFID Products	Slot	Imager & Laser End Cap Options	WIFI Option	UMTS Option	GPS Option
RFID Module HF-AM1-Neo BAAN MPEC: PX3070	TETHER Snap on module	Internal	Internal	Internal	Internal

	Available
	Not Available

RFID HF Passive External Reader Options:

RFID Products for WAP G2	Frequency / Output Power	Connection Type	RFID Module	End Cap / Antenna Type	BAAN Item No.	Approvals	Tag Protocol / Tag Type
RFID PADDLE Reader HF-T2-A3-G2 for WAPG2 	 13.56 MHz / 250mW	External TETHER Port	TAGSYS Module MEDIO S002*	Any / Horizontal Antenna*	1004310	FCC Id: GM3HFT2A3 IC Id: 2739D-HFT2A3	ISO 15693, ISO 18000 / TAGSYS (C210, C240, C220), Philips I-Code™, TI Tag It™,

RFID Products for 753X G2	Frequency / Output Power	Connection Type	RFID Module	End Cap / Antenna Type	BAAN Item No.	Approvals	Tag Protocol / Tag Type
RFID PADDLE Reader HF-T2-A3-G2 for 753XG2 	 13.56 MHz / 250mW	External TETHER Port	TAGSYS Module MEDIO S002*	Any / Horizontal Antenna*	1004220 -001	FCC Id: GM3HFT2A3 IC Id: 2739D-HFT2A3	ISO 15693, ISO 18000 / TAGSYS (C210, C240, C220), Philips I-Code™, TI Tag It™,

RFID Products for PC	Frequency / Output Power	Connection Type	RFID Module	End Cap / Antenna Type	BAAN Item No.	Approvals	Tag Protocol / Tag Type
RFID PADDLE Reader HF-T2-A3-G2 for PC** 	 13.56 MHz / 250mW	DB9	TAGSYS Module MEDIO S002*	Any / Horizontal Antenna*	1004240 -001	FCC Id: GM3HFT2A3 IC Id: 2739D-HFT2A3	ISO 15693, ISO 18000 / TAGSYS (C210, C240, C220), Philips I-Code™, TI Tag It™,

Note 1: * Provided with the RFID Solution.

** Powered by the serial port (if there is 5v/500mA on the Pin 9 of the DB9 connector) or by an external power supply 5v/500mA or by a USB connector 5v/500mA

Note 2: SDKs and demo applications for the above listed readers can be found on the Pision Teklogix website in the developers section of [Ingenuity Working](#).



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HF External Reader Compatibility Matrix:

RFID Products	Slot/Interface	Imager & Laser Pod Options	Imager & Laser End Cap Options	End Cap	WIFI Option (1)	GPRS Option (2)	UMTS option	GPS option
RFID Paddle HF-T2-A3-G2 for Workabout Pro G2 TAGSYS Module (FCC, Canada) BAAN: 1004310	External TETHER Port	All	All	All End Cap Versions	Yes	Yes	Yes	Yes
RFID Paddle HF-T2-A3-G2 for 753x G2 TAGSYS Module (FCC, Canada) BAAN: 1004220-001	External TETHER Port	All	All	All End Cap Versions	Yes	Yes	Yes	Yes
RFID Paddle HF-T2-A3-G2 for PCs TAGSYS Module (FCC, Canada) BAAN: 1004240-001	DB9	All	All	All End Cap Versions	Yes	Yes	Yes	Yes

	Available
	Not Available







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RFID LF Passive Options for Workabout Pro G2:

RFID Products for WAP G2		Frequency / Output Power	Slot Occupied	RFID Module	End Cap / Antenna Type	BAAN Item	Approvals	Tag Protocol / Tag Type
RFID Module LF-AH1-G2 		125 KHz and 134.2 KHz / 200 mW	USB (End Cap)	HID Module Multi TAG*	MPEC* with GSM antenna shroud / Horizontal Antenna*	1051330	FCC Id: GM3LFAH1G2 IC Id: 2739D-LFAH1G2	See note 2
RFID Module LF-AIR200-G2 (see note 4) 		134.2 KHz / 250 mW	XMOD (End Cap)	AGRIDENT Module	Agrident End Cap * / Vertical Antenna*	9008662	FCC Id: GM3AIR200X IC Id: 2739D-AIR200X	ISO 11784, ISO 11785 / Read ONLY HDX and FDX-B compliant (EM4x02 compatible optional)

Note 1: * Provided with the RFID Solution.

Note 2:

RFID MODULE LF-AH1-G2			
Tag Protocol	ISO 11784, ISO 11785		
Tag Type	Hitag 1 Hitag 2 Hitag S	Q5 EM4X02 EM4X05 (ISO FDX B) EM4X50	TI-RFID Systems 134.2 kHz 64Bit R/O TI-RFID Systems 134.2 kHz 64Bit R/W TI-RFID Systems 134.2 kHz 1088Bit Multipage

Note 3: MPEC = MultiPurose EndCap

Note 4: - This product is not compatible with pistols grip.

- The AEA12X external antenna option is not compatible with Laser and imager Pod.

- If the Hand strap is selected add 2 screws M2.6 x 8 (BAAN item: 9009769) and 2 Washers M2.5 (BAAN item: 9011213).

Note 5: SDK and demo application for the above listed ACG reader can be found on the Psion Teklogix website in the developers section of [Ingenuity Working](#).

Note6: Installation CD containing documentation, SDK and demo applications for the Agrident AIR200 reader can be obtained by ordering p/n 9008662CD (free of charge)



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LF Compatibility Matrix for WAP G2:

RFID Products	Slot/Interface	Imager & Laser Pod Options	Imager & Laser End Cap Options	End Cap	WIFI Option (1)	GPRS Option (2)	UMTS option	GPS option
RFID Module LF-AH1-G2 HID Module (FCC, Canada) BAAN MPEC GPRS: 1051330	USB End Cap	All	NO	MPEC with GSM antenna shroud occupied by reader and antenna(*)	Yes	Yes	NO	NO
RFID Module AIR200 (4) AGRIDENT Module (FCC, Canada) BAAN: 9008662	XMOD Slot	All – see Note (3)	NO	Agrident End Cap (*)	Yes	NO	NO	NO

		Available
		Not Available

(1) WAP WIFI option: use the CF-Card slot (BAAN item RA2041/3).

(2) WAP GPRS option: uses 100 pin connector (BAAN item RA3030-G2 with GSM antenna shroud).

(3) Not compatible with the AEA12X external antenna option.

(4) Not compatible with Pistols grip. If the hand strap is selected add 2 screws M2.6 x 8 (BAAN item: 9009769) and 2 Washers M2.5 (BAAN item: 9011213).

(*) Provided with the RFID Solution

Note: MPEC = MultiPurpose EndCap



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Resources

RFID Product Guide and Spec Sheets - The latest version of the RFID Product Guides (WWE or NA), as well as the reader specific spec sheets, can be found on Ingenuity Working at the following [link](#) or in the reader's demo application zip [file](#).

RFID Photos and Videos - can be found on Ingenuity Working at the following [link](#)

RFID User's Manuals – Can be found on Ingenuity Working at the following [link](#). They are contained in the zip file corresponding to the reader demo application (see below).

RFID Driver Manager - Can be found on Ingenuity Working at the following [link](#). The driver manager (RFID Driver Manager vx.00.CAB) contains all the files necessary to install/ uninstall driver for RFID module in use and automatically detects the RFID product installed in the WorkAbout Pro, Ikon or Neo. In addition, the following files are also provided:

- Compact Framework 3.5 (for CE 5 or WM 6.x).
- RFID Driver Manager user manual - Documentation on how to use the RFID Driver Manager application.

RFID Demo applications – An RFID demo application, as well as a keyboard wedge, which demonstrates the basic reader specific features (read, read/write, etc) can be found on Ingenuity Working at the following [link](#). The zip file contains:

- RFID Tools.CAB – Contains all the necessary libraries/dlls to operate the specific RFID module in use. It also installs two DEMO applications (a standard, general DEMO and a wedge DEMO).
- Sources (RFID Reader): A Visual Studio 2005 project for building the DEMO apps in the aforementioned .CAB file, including all of the libraries needed to build it.
- USER MANUAL.pdf: Documentation on using the DEMO apps installed.
- RFID driver for each products
- RFID product guide.pdf

RFID SDKs - Can be found on Ingenuity Working at the following [link](#). The SDKs provide development support for creating custom applications for each specific reader in .NET. Both Windows® CE and Windows Mobile® operating systems are supported. Please note that C++ and Java development are not supported.

RFID Hints and Tips - Can be found on Ingenuity Working at the following [link](#)



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Additional Notes:

- 1) *For availability of any of the RFID options listed in this document in Europe, Asia Pacific, or other parts of the world please refer to the World Wide Edition of the RFID Product Guide which can be found [here](#).*
- 2) *For availability of any of these RFID options in Central and South America, especially as it pertains to approvals secured for individual countries, please contact your local Psion Teklogix sales/technical representative.*
- 3) *For additional, partner based, RFID options please check with your PTX representative. You may also wish to consult [IngenuityLive!](#) or [Partner Directory](#) sections of Ingenuity Working.*