







## Workabout Pro 4 RFID Products Guide

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The RFID module, the antenna and the multipurpose end cap (MPEC) are provided when ordering the RFID Solution  
 Linear antenna reads the tags in horizontal position only; Circular antenna reads the tags in all positions (horizontal and vertical).

WAP4 UHF HARDWARE								
UHF Modules for WORKABOUT PRO 4		Frequency / Power	Slot	RFID Module	End Cap / Antenna	Item Code	Approvals	Tag Protocol / Tag Type
RFID Module WA9901		915-920 MHz / 5 - 1000mW	XMOD	Motorola Sailfish US, Canada, China,...	Multipurpose End Cap / Linear Polarization	WA9901	FCC	EPC Class 1 GEN2 ISO18000-6C
RFID Module WA9902		868 MHz / 5 - 500mW	XMOD	Motorola Sailfish (EN 302 208, LBT) Europe	Multipurpose End Cap / Linear Polarization	WA9902	CE	EPC Class 1 GEN2 ISO18000-6C
RFID Module WA9903		915-920 Mhz MHz / 5 - 1000mW	XMOD	CAEN A528 (R1000 chip set) US, Canada, China,...	Extended Back Plate / Circular Polarization	WA9903	FCC	EPC Class 1 GEN2 ISO18000-6C
RFID Module WA9904		868 MHz / 5 - 500mW	XMOD	CAEN A528 (R1000 chip set) (EN 302 208, LBT) Europe	Extended Back Plate / Circular Polarization	WA9904	CE	EPC Class 1 GEN2 ISO18000-6C

**Note:** With the circular antenna, it is recommended to use the specific “Hand Strap” accessory, for a better hand positioning, P/N 1009144



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WAP4 UHF SOFTWARE				
UHF Modules for WORKABOUT PRO 4	Operating System	RFID driver / RFID demos	EMDK	Note
RFID Module WA9901	<a href="#">Windows EHH 6.5</a> <a href="#">Windows CE 6</a> (OS 2.3 or newer)	<a href="#">UHF RFID CAB for WEHH</a> <a href="#">UHF RFID CAB for WCE</a>	<a href="#">EMDK for .NET</a> <a href="#">EMDK for C</a>	Documentation <a href="#">WAP4 RFID Integration Guide</a> <a href="#">EMDK RFID for Java</a> (Not validated on WAP4 – should be compliant) <a href="#">Support central</a>
RFID Module WA9902				
RFID Module WA9903				
RFID Module WA9904				

**WARNING:** For mounting a RFID UHF module from a separate box inside the WAP4, you should follow the instruction sheet and contact the support ([www.motorolasolutions.com/support](http://www.motorolasolutions.com/support)) to receive the appropriate BooST scripts. They are necessary to indicate to WAP4 the current configuration (WW/EU, Linear/Circular).




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## WAP4 HF HARDWARE

HF Modules for WORKABOUT PRO 4	Frequency / Power	Slot	RFID Module	End Cap / Antenna	Item Code	Approvals	Tag Protocol / Tag Type	
RFID Module WA9905		13.56 MHz / 250mW	USB (End Cap)	Chip set NXP CLR663  2 SAM Sockets for data encryption  ID1 SAM format Class A, B & C	Multipurpose End Cap / Horizontal plan Antenna	WA9905	CE FCC IC	ISO14443 type A, B and C Full Mifare ISO15693-3 ISO18000-3 / MIFARE® Standard / ICODE SLI, SLI-S, SLI-L, UID MIFARE® Ultralight MIFARE® Desfire MIFARE® Plus MyD 10p, MyD 02p, MyD 10S, MyD 01P MIFARE® Plus S MIFARE® Plus SL3 NXP SmartMx GTML 14443A Controller SLE66R35 14443B Controller SLE66R32P SLE66CLX360 SLE66CLX800  Felica and more  NFC reader to Tag mode

## WAP4 HF SOFTWARE

HF Modules for WORKABOUT PRO 4	RFID Driver	Software Tools	Operating System	SDK	Supported programming languages	Unsupported programming languages	Note	
RFID Module WA9905		RFIDDriver_WAP4_WM65_HF_KR3_2S RFIDDriver_WAP4_CE6_HF_KR3_2S	<a href="#">WAP4 HF Tools</a> (Demo + Wedge) (sources available)	<a href="#">Windows EHH 6.5</a> <a href="#">Windows CE 6</a>	<a href="#">HF RFID SDK for WAP4</a>	.NET	C++ Java	<a href="#">Support central</a>  <a href="#">IW support</a> Questions and discussions? <a href="#">RFID Forum</a>



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## WAP4 LF HARDWARE

LF Modules for WORKABOUT PRO 4	Frequency / Power	Slot	RFID Module	End Cap / Antenna	Item Code	Approvals	Tag Protocol / Tag Type
RFID Module WA9906	125 KHz and 134.2 KHz / -	USB (End Cap)	IDTronic Module Multi TAG	Multipurpose End Cap / Horizontal Antenna	WA9906	CE FCC	Hitag 1, 2, S EM4x02 EM4x05 (ISO FDXB) EM4x50 EM4200 Q5 5567

## WAP4 LF SOFTWARE

LF Modules for WORKABOUT PRO 4	RFID Driver	Software Tools	Operating System	SDK	Supported programming languages	Unsupported programming languages	Note
RFID Module WA9906	RFIDDriver_WAP4_WM65_LF_ID1 RFIDDriver_WAP4_CE6_LF_ID1	<a href="#">WAP4 LF Tools</a> (Demo) (sources available)	<a href="#">Windows EHH 6.5</a> <a href="#">Windows CE 6</a>	<a href="#">LF RFID SDK for WAP4</a>	C++ .NET	Java	<a href="#">Support central</a>  <a href="#">IW support</a> Questions and discussions? <a href="#">RFID Forum</a>



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## WAP4 Options Compatibility Matrix

RFID Products	Slot / Plastic extension	Imager & Laser Pod Options	Imager & Laser End Cap Options	Camera	WIFI Option	UMTS Option	GPS Option	Pistol grip	Hand strap
RFID Module UHF- Linear antenna America variant WA9901	XMOD Slot / Multipurpose End Cap	Available	Not available	Available	Available	Limited	Available	Available	Available
RFID Module UHF- Linear antenna Europe variant WA9902	XMOD Slot / Multipurpose End Cap	Available	Not available	Available	Available	Available	Available	Available	Available
RFID Module UHF- Circular antenna America variant WA9903	XMOD Slot / Expanded Back Cover	Not available	Available	Not available	Available	Limited	Available	Not available	Limited
RFID Module UHF- Circular antenna Europe variant WA9904	XMOD Slot / Expanded Back Cover	Not available	Available	Not available	Available	Available	Available	Not available	Limited
RFID Module HF WA9905	USB End Cap / Multipurpose End Cap	Available	Not available	Available	Available	Available	Available	Available	Available
RFID Module LF-AH1-G2 WA9906	USB End Cap / Multipurpose End Cap	Available	Not available	Available	Available	Available	Available	Available	Available

### Legend

Provided in the kit
Available
Not provided in the kit
Limited
Not available