



Workabout Pro 4

EMC Configuration and Accessories Guide

*Designed to assist customers and partners with model and
configuration guidance*



Workabout Pro 4

- CONFIGURATION AND ACCESSORY GUIDES are available on Insite and PartnerCentral
- Also see www.motorolasolutions.com/workaboutpro4 and the WAP-4 Configuration and Accessories Guide

Find Product Information in the EMC Product Portfolio on [Insite](#) and [Partner Central](#)



- WAP-4 Third party accessories:
 - www.Portsmit.com

WAP4 Configuration Matrix

CONFIGURATION OPTIONS:	WA4xx	OPTION	DESCRIPTION
Form Factor and Keyboard	WA4Lxxxxxxxxxxxx	L	Long Version - Alphanumeric Keyboard
	WA4Sxxxxxxxxxxxx	S	Short Version - Numeric Keyboard
	WA4Qxxxxxxxxxxxx	Q	Short Version - QWERTY Keyboard
Operating System	WA4x1xxxxxxxxxx	1	Microsoft Windows Compact Embedded 6.0
	WA4x2xxxxxxxxxx	2	Microsoft Windows Mobile Handheld 6.5.3
Local Language	WA4xx1xxxxxxxxxx	1	English
	WA4xx2xxxxxxxxxx	2	French
End-cap Options	WA4xxxx0xxxxxxxx	0	None
	WA4xxxx1xxxxxxxx	1	SE965 Standard 1D Laser End cap
	WA4xxxx2xxxxxxxx	2	SE655 1D Linear Imager End cap
	WA4xxxx3xxxxxxxx	3	SE4500 2D Imager End cap
	WA4xxxx4xxxxxxxx	4	Headset Jack 2.5mm
	WA4xxxx5xxxxxxxx	5	RFIDUHF Linear Antenna FCC/IC Countries
	WA4xxxx6xxxxxxxx	6	RFID UHF Linear Antenna CE Countries
	WA4xxxx9xxxxxxxx	9	RFID HF CE/FCC/IC Country
	WA4xxxxAxxxxxxxx	A	SE1524 1D Extended Range Laser
	WA4xxxxExxxxxxxx	E	RFID LF CE/FCC/IC Countries
	WA4xxxx0xxxxxxxx	0	Blank Back Cover
	WA4xxxx1xxxxxxxx	1	SE965 1D Laser Slim Pod
	WA4xxxx2xxxxxxxx	2	SE655 1D Imager Slim Pod
	WA4xxxx3xxxxxxxx	3	SE4500 2D Imager Slim Pod
Back Cover Options	WA4x2xx4xxxxxxxx	4	8 MP Camera Back Cover
	WA4xxxx5xxxxxxxx	5	RFIDUHF Circular Antenna, FCC/IC Countries Back Cover
	WA4xxxx6xxxxxxxx	6	RFID UHF Circular Antenna, CE Countries Back Cover
	WA4xxxxx1xxxxxxxx	1	802.11 a/b/g/n, No Diversity, BT2.0+EDR
	WA4xxxxx2xxxxxxxx	2	802.11 a/b/g/n, Diversity, BT2.0+EDR, GPS, No Stylus
	WA4xxxxx4xxxxxxxx	4	802.11 a/b/g/n, Diversity, BT2.0+EDR, UMTS/HSPA+, CE Cntry, No Stylus
Radio Options	WA4xxxxx5xxxxxxxx	5	802.11 a/b/g/n, Diversity, BT2.0+EDR, UMTS/HSPA+, FC/IC Country
	WA4xxxxxxxx0xxx	0	No Pistol, No Strap
	WA4xxxxxxxx1xxx	1	Pistol Grip, No Strap
	WA4xxxxxxxx2xxx	2	No Pistol, Double Loop Handstrap
Battery	WA4xxxxxxxxxx2xx	2	4400mAh
Country or Custom Code	WA4xxxxxxxxxxxxxC	C	China
	WA4xxxxxxxxxxxxxW	W	Worldwide less China

Workabout Pro 4

Main variants



Workabout Pro 4

Workabout Pro 4 Long - Alpha Numeric Keyboard

- Windows CE 6.0
- Windows Embedded Hand Held 6.5

Workabout Pro 4 Short – Numeric Keyboard

Workabout Pro 4 Short – Qwerty Keyboard

- Windows CE 6.0
- Windows Embedded Hand Held 6.5

WAP4 Operating System options

Operating System options



Microsoft Windows Embedded Handheld 6.5 Classic Edition

Microsoft Windows Embedded Compact 6.0



Operating System Configurations

Microsoft Windows
Embedded Handheld 6.5 Classic Edition

Microsoft Windows
Embedded Compact 6.0



OS in Local languages available for download on
Support Central portal.motorolasolutions.com/Support/US-EN/Mobile+Networks+RFID+and+Barcode+Scanners/Mobile+Computers/Handheld+Computers/WorkaboutPro4_US-EN

WAP4 Radio options



Radio options



Built-in Radios

802.11 A/B/G/N, **No Diversity** Antenna with Bluetooth 2.0 + EDR

802.11 A/B/G/N, **Diversity** Antenna with Bluetooth 2.0 + EDR, **GPS** and No Stylus

802.11 A/B/G/N, Diversity Antenna with Bluetooth 2.0 + EDR, **UMTS / HSPA+, CE Countries and No Stylus**

802.11 A/B/G/N, Diversity Antenna with Bluetooth 2.0 + EDR, **UMTS / HSPA+, FCC / IC Countries and No Stylus**

Applicable only for
Upgrades / Reconfiguration

Radio Modules

RA3051

HSPA+ WAN expansion module, compatible with Short and Long configurations, end-cap of choice is ordered separately.

RA3052

Diversity Wi-Fi / Stand alone GPS antenna module, compatible with Short and Long configurations, end-cap of choice is ordered separately.

Installation instructions for Radio Modules:

<http://www.ingenuityworking.com/knowledge/w/knowledgebase/1525.workabout-pro4-product-manuals.aspx>

WAP4 End-cap options

 Data capture & other options
Choose end cap for **best ergonomic solution!**

Data Capture End-Caps

- WA9022** SE1524ER 1D Lorax extended range laser
- WA9016** SE965 1D Standard range laser
- WA9018** SE655 1D Linear imager
- WA9020** SE4500 2D Imager

OR

Other End-Caps

- WA6212** WAN/GPS/Wi-Fi diversity end-cap
- WA6213** Multi-purpose end cap
- WA6215** Headset adapter end-cap
- WA6214** Standard blank end-cap, with stylus

Optional pistol grip

WA6103

Pistol grip attachment kit. Includes flush mount pistol grip with trigger, and screws



WA6103
Pistol Grip

**Applicable only for
Upgrades / Reconfiguration**



When using WA9022 Lorax Laser end-cap with or without pistol grip, a trigger board WA9301 is required as back cover, so camera (located in back cover) is not compatible. WAN upgrade is not compatible with Lorax End cap

For all other end-cap engines, a trigger board WA9302 is required **ONLY** when using the pistol grip.



WA9022
1D Lorax Laser



WA9016
1D Standard Range Laser



WA9018
1D Linear Imager



WA6213
Multi-purpose end cap



WA9020
2D Imager



All end-cap scanners and pistol grip are compatible with short and long configurations

WAP4

RFID End Caps/Back Covers

RFID options

Ultra High Frequency (UHF)

WA9901 Linear antenna, FCC / IC country certified end cap

WA9902 Linear antenna, CE Country certified end cap

WA9903 Circular antenna, FCC / IC Country certified back cover

WA9904 Circular antenna, CE Country certified back cover

Both UHF antenna modules are compatible with scanners, pod scanner for linear variant and end cap scanner for circular RFID variant.

All circular UHF antenna modules are installed to the WAP4 units as back-covers



! Linear antenna is sensitive to tag orientation, circular antenna is not.

High (HF) and Low Frequency (LF) End Caps

WA9905 HF module, FCC/IC, CE country certified end cap

WA9906 LF module, FCC/IC, CE country certified end cap



! All RFID options are compatible with or without a WAN radio. Before choosing any combination, review the local country approval list.



WAP4

Trigger boards

Applicable only for
Upgrades / Reconfiguration

Trigger Boards

- WA9301** Trigger board for SE1524-ER, 1D Lorax extended range laser end-cap.
- WA9302** Trigger board for 1D standard range laser or 1D/2D imager end-cap

Additional pistol grip

- WA6103** Pistol grip attachment kit. Includes flush mount pistol grip with trigger, and screws



WA6103
Pistol Grip

! Trigger board WA9301 is always required when using WA9022 Lorax laser end-cap with or without pistol grip



Trigger Board Back Cover



Inside Back Cover

WA9301
Trigger Board for Lorax Laser
End-Cap

WA9302
Trigger Board for 1D Laser or
1D/2D Imager End-Cap

Trigger board WA9302 is required for 1D laser or 1D/2D imager **ONLY** when using the pistol grip

! All trigger boards are compatible with short and long configurations



WAP4

Back cover options



Data capture and other options

Choose slim pod scan engine if you [need additional technology](#) in end cap (e.g., RFID LF, HF, UHF Linear, Head Set Jack, etc.)

Back Covers

WA6208 Standard blank back-cover

WA9021 8.0 megapixel camera module (not available for Lorax End cap and Win CE OS)

OR

Slim pod Engines

WA9017 SE655 1D Linear imager

WA9019 SE4500 2D Imager

WA9015 SE965 1D Standard range laser



Optional pistol grip

WA6003

Pistol grip attachment for slim pod

Slim pods with pistol grip increases terminal's Z dimension

Applicable only for
Upgrades / Reconfiguration



WA9021
8MP Camera Module



WA6208
Standard Blank Back-Cover



WA9015
1D Standard range laser



WA9019
2D Imager



WA9017
1D Linear Imager

Slim pods have built in trigger boards !



All covers, slim pods and pistol grip are compatible with short and long configurations

WAP4 Battery options



Spare Battery options

Extended Battery



WA3010

4400 mAh

Migrating to



WA3026

4680 mAh

If you're changing battery types, a battery door is required when purchasing Super High Capbatteries



Compatible battery doors:



WA3017-G2

Battery door for **long** configurations



WA3018-G2

Battery door for **short** configurations

Spare Battery



WA3006

3300 mAh

Migrating to



WA3025

2850 mAh

Compatible battery doors:



WA3015-G2

Battery door for **long** configurations



WA3016-G2

Battery door for **short** configurations

WAP4

Charging methods



Cradle options



Single Slot Cradle:

WA4003-G2 Single slot USB cradle for short and long configurations.

WA4003-AR Single slot USB cradle for short and long configurations (Argentina).



! The single slot cradle is compatible with the pistol grip, charges a spare battery and has USB master and slave connections.

! The single slot cradle includes a power supply (PS1050-G1 or PS1050-AR for Argentina) with country adapters and a USB cable.



Additional Adapters



WA4015-G1 USB to RS232 adapter

WAP4

Charging methods



Cradle options



Four Slot Cradle:

WA4204-G2 Four slot Ethernet cradle for all **long** configurations.

WA4304-G2 Four slot Ethernet cradle for all **short** configurations.

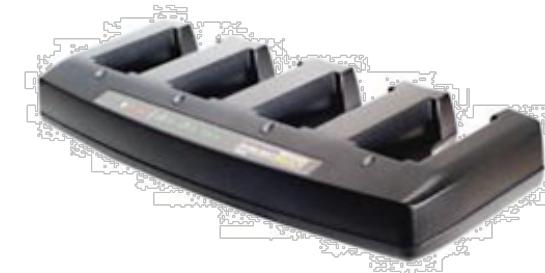
The four slot cradle includes a power supply (PS1055-G1). Must purchase specific country AC Line Cord.



AC Line Cords:

- 9008693 for North America
- 9008892 for Europe
- 9008950 for UK

Battery Charger



WA3004-G1 Four slot battery charger to be used with high and ultra high capacity batteries. Includes power supply (PS1056-G1). Must order AC line cord separately.

WAP4

Charging methods



Cradle options

Vehicle cradle:

WA1210-G2

Vehicle cradle 12V, for use with **long** configurations

WA1310-G2

Vehicle cradle 12V, for use with **short** configurations



Vehicle charge cable:

RV3050

Vehicle charge cable, allows to charge directly any long or short configurations.



When using the vehicle cradle, the universal RAM mount is required (Order separately WA4006)



CA3002



CA1210



For powered connection, must order a power cable 9-20V input (CA1210) or the vehicle power outlet adapter cable (CA3002)

Optional Accessories



WA4005-G1

Port replicator connects serial devices to the vehicle cradle.



PS1350

Pre-regulator module required when connecting the vehicle cradle to power sources above 20V to a maximum of 72V.

WAP4 Carrying Accessories

Carrying options

Holsters

WA6083 Soft Holster and Belt for use with all short and long configurations when using the pistol grip. Includes belt, tether (pistol grip to holster) and leg strap.

WA6084 Nylon Pouch for use with all short and long configurations when using the pistol grip. The nylon pouch is not approved in FCC countries.

Carry Cases

WA6080 Standard carry case, for use with **long** configurations. Includes belt clip.

WA6180 Standard Carry Case, for use with **short** configurations. Includes belt clip.

WA6081 Carry case (open ended), for use with **long** configurations while using end cap scanners and most RFID options.

WA6181 Carry case (open ended), for use with **short** configurations while using end cap scanners and most RFID options.

* Note: Carry cases are not approved in FCC countries

Optional shoulder strap for carry cases

CV6021
Shoulder strap for use with all carry cases.



WAP4 Carrying Accessories

Carrying options

Rubber Boots

WA6400 Rubber boot for use with **long LAN** configurations with/without using scanner pods/pistol grip

WA6402 Rubber boot for use with **long extended range laser** configuration with/without using pistol grip



WA6400
Rubber Boot



WA6402
Rubber Boot for Long
Extended Range Laser

Optional shoulder strap for rubber boots

CV6021 Shoulder strap for use with all rubber boots



WAP4 Carrying Accessories

Carrying options

Hand Straps

- WA6025** Hand strap with mobile stylus (double loop) for **long** configurations
- WA6125** Hand strap with stylus (double loop) for **short** configurations

Hand Straps include a tethered stylus



WA6025
Hand Strap with Mobile Stylus

Miscellaneous

- WA6100-G1** Replacement end cap stylus (pack of 5)
- WA6310-G1** Mobile stylus with holder kit, includes stylus, tether and holder
- WA6113** Screen Protector (pack of 3)



WA6310-G1
Mobile Stylus with Holder Kit

WAP4

Optional tether adapters

USB Cable options

Tether Open-Ended Cable



CA2950-G1

Open ended cable with strain relief (150mm/ 6ft)

Tether to Dsub9 Cable



WA4020-G2

It provides RS232 connectivity (Dsub9 connector) to any short and long configurations through the tether port.

Tether to USB A Cable



WA1002

It provides USB A connectivity to any short and long configs through the tether port. Supports USB peripherals. Not used for active sync.

USB to Ethernet Adapter (3rd party)



PSA1U1E

USB to Ethernet adapter with no separate power supply requirement.

WAP-4 Third party accessories:
www.Portsmith.com