



Omnii™ XT15

EMC Configuration and Accessories Guide

Designed to assist customers and partners with model and configuration guidance



Contents



- I. XT15 Series Configuration Guide**
- II. XT15 Series Accessories**



XT15

Configuration Guide



XT15 Series

- CONFIGURATION AND ACCESSORY GUIDES are available on Insite and PartnerCentral
- Also see www.motorolasolutions.com/xt15 and the XT15 Configuration and Accessories Guide

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



XT15 Configuration Matrix

| CONFIGURATION OPTIONS: | WA4xx | OPTION | DESCRIPTION |
|---|--------------------|-------------------|---|
| Product Type | OBxxxxxxxxxxxxx | B | XT15 |
| | ODxxxxxxxxxxxxx | D | XT15 Non Incendive Class I Div 2 |
| | OExxxxxxxxxxxxx | E | XT15 Freezer |
| Display and Op. Temp. Range | Ox0xxxxxxxxxxxx | 0 | Standard with High Visibility display |
| | Ox1xxxxxxxxxxxx | 1 | Standard with Extreme Duty (Higher Impact Resistance) display |
| | Ox3Exxxxxxxxxxxx | 3 | Chiller (Condensation Resistant) with Extreme Duty display |
| | Ox4Exxxxxxxxxxxx | 4 | Arctic (-30C) with Extreme Duty Heated Display |
| Memory | Oxx3xxxxxxxxxxxx | 3 | 512MB SDRAM/1GB Flash ROM |
| Operating System Options | Oxxx1xxxxxxxxxxxx | 1 | Microsoft CE 6.0 |
| | OxxxAXxxxxxxxxxxxx | A | Microsoft Windows Embedded Hand Held 6.5 |
| Local Languages | Oxxxx1xxxxxxxxxxxx | 1 | English |
| | Oxxxx2xxxxxxxxxxxx | 2 | French |
| | Oxxxx3xxxxxxxxxxxx | 3 | German |
| | Oxxxx5xxxxxxxxxxxx | 5 | Italian |
| Emulation, Mobile Device Management, Browser Software | Oxxxx0xxxxxxxxxxxx | 0 | No Terminal Emulation, No MDM |
| | OxxxxXxxxxxxxxxxxx | 2,3,4,5,6,E,F,G,H | Tek Term TE, Stay Linked TE, Naurtech Industrial Browser, Wavelink TE, MobiControl, Mobi Control and TekTerm, MobiControl and StayLinked TE, MobiControl and Naurtech Browser, MobiControl and Wavelink TE (Load only – License to be purchased separately) |
| Keypad Options | Oxxxxxx0xxxxxxx | 0 | No Keyboard Installed - Order keyboard separately |
| | Oxxxxxx1xxxxxxx | 1 | 59 Key, Alpha ABC, Numeric Telephony, 6 Function single push |
| | Oxxxxxx1xxxxxxx | 2 | 36 Key, Numeric Telephony, 12 Function single push |
| | Oxxxxxx3xxxxxxx | 3 | 36 Key, Alpha Modified, Numeric Calculator, 12 Function single push |
| | Oxxxxxx4xxxxxxx | 4 | 55 Key, Phone Keys, Alpha ABC, Numeric Telephony |
| | Oxxxxxx5xxxxxxx | 5 | 66 Key, Phone Keys, Alpha QWERTY, Numeric Telephony, 6 Function |
| | Oxxxxxx8xxxxxxx | 8 | 34 Key, Numeric Telephony, 12 Function Single Push |
| | OxxxxxxAXxxxxxxx | A | Oracle, 59 Key, Alpha ABC, Numeric Telephony, 6 Function Single Push |
| | OxxxxxxBxxxxxxx | B | Oracle, 66 Key, Phone Keys, Alpha QWERTY, 6 Function Keys |
| | OExxxxxCxxxxxxx | C | 58 Key, Freezer Legacy Colors, Alpha ABC, Numeric Telephony |

XT15 Configuration Matrix

| CONFIGURATION OPTIONS: | WA4xx | OPTION | DESCRIPTION |
|---|--------------------------------|------------------------|--|
| Future | Oxxxxxxxx 0 xxxxxx | 0 | None |
| Radio Options | Oxxxxxxxx 0 xxxxxx | 0 | 802.11 A/B/G/N, BT 2.0+ EDR, No WAN |
| | Oxxxxxxxx 1 xxxxxx | 1 | 802.11 A/B/G/N, BT 2.0+ EDR, GPS – End of Life |
| | Oxxxxxxxx 2 xxxxxx | 2 | 802.11 A/B/G/N, BT 2.0+ EDR, HSPA +, GPS |
| | Oxxxxxxxx 1 xxxx | 1 | None |
| Standard Expansion Back Cover (No Pod or End Cap Capability) | Oxxxxxxxx 2 xxxx | 2 | Push-to-Talk Speaker |
| | Oxxxxxxxx 3 xxxx | 3 | Push-to-Talk Speaker, Camera |
| | Oxxxxxxxx 8 xxxx | 8 | Imager 2D – SE4500 |
| | Oxxxxxxxx 9 xxxx | 9 | Imager 2D – SE4600LR |
| | Oxxxxxxxx A xxxx | A | Scanner 1D – Auto Range SE1524ER |
| | Oxxxxxxxx B xxxx | B | Scanner 1D - Standard Range SE1224HP |
| | Oxxxxxxxx E xxxx | E | Scanner 1D – Standard Range SE965HP |
| | Secondary Expansion POD | Oxxxxxxxx 1 xxx | 1 |
| Oxxxxxxxx 8 xxx | | 8 | Imager 2D – SE4500 |
| Oxxxxxxxx B xxx | | B | Scanner 1D – Standard Range SE 1224HP |
| Oxxxxxxxx D xxx | | D | Scanner 1D – Standard Range SE955 |
| Oxxxxxxxx T xxx | | T | HF RFID Note: Incompatible with WAN |
| Secondary Expansion ENDCAP | Oxxxxxxxx 1 xx | 1 | None |
| | Oxxxxxxxx 8 xx | 8 | Imager 2D – SE4500 |
| | Oxxxxxxxx D xx | D | Scanner 1D – SE955 |
| Battery Options | Oxxxxxxxx 0 x | 0 | Standard 5000 mAh Lithium Ion Battery |
| | O D xxxxxxxx 1 x | 1 | Non-Incendive 5000 mAh Lithium Ion Battery |
| | O E xxxxxxxx 2 x | 2 | 5300 mAh Freezer Battery (required on Arctic) |
| Input Accessories | Oxxxxxxxx 1 | 1 | No input accessories |
| | Oxxxxxxxx 2 | 2 | Pistol Grip, Tethered Stylus |
| | Oxxxxxxxx 4 | 4 | Hand strap, Tethered Stylus |

Step 1: Chose the main XT15 variant:



XT15 Variants

XT15 Standard

Operating System

- Windows CE 6.0
- Windows Embedded Handheld 6.5

Memory

- 512MB SDRAM/1GB Flash ROM

XT15ni Non- Incendive

Operating System

- Windows CE 6.0
- Windows Embedded Handheld 6.5

UL Class 1, Div 2,
Groups A,B,C,D; T6

Memory

- 512MB SDRAM/1GB Flash ROM

XT15f Freezer

Condensation-Resistant Chiller model

- - 4° F / - 20° C environments

Condensation-free Arctic Model

- - 22° F / -30° C freezers

Operating System

- Windows CE 6.0
- Windows Embedded Handheld 6.5

Memory

- 512MB SDRAM/1GB Flash ROM

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Radio options



Change pic to xt15
Radio options



Built-in Radios

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

802.11 A/B/G/N, Antenna with Bluetooth 2.0 + EDR, **UMTS / HSPA+, GPS**

Applicable only for
Upgrades / Reconfiguration



Expansion Radio Module

RA3050-GPS HSPA+ and GPS WAN expansion module

RA3050 - GPS
HSPA+ and GPS WAN
expansion module




! RA3050-GPS requires End-cap with HSPA+ Antenna (ST96xx)

Installation instructions for Radio Modules:

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

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Display options

All replacement keypads are available as snap on, can be changed on site, without sending it to service depot. 



Display Options



ST2003

XT15 High Visibility display module

Offers superior overall visibility with 165 cd/m² brightness

ST2004

XT15 Extreme Duty display module

Extreme -20° C and Impact Resistance
Offers improved impact resistance (1.25 Joule impact) and improved low temperature performance

ST2008

XT15F Chiller display Module

-20° C Temp Extreme Condensation Resistant and Impact Resistance

ST2007

XT15F Arctic Extreme Duty Heated display module

-30° C Temp Extreme Condensation free and Impact Resistance

XT15

Back Cover Options



Data capture/other options

Standard Expansions

| | |
|---------------|---|
| ST9002 | Blank Expansion Back cover |
| ST9714 | SE4500 Standard 2D Imager |
| ST9715 | SE4600LR Extended 2D Imager |
| ST9703 | SE1524ER 1D Scanner Auto-Range |
| ST9701 | SE1224HP 1D Scanner Standard-Range |
| ST9004 | Push-to-Talk Speaker |
| ST9013 | Push-to-Talk Speaker with Camera |
| ST9710 | SE965 Standard Range 1D Laser for Freezer Units (XT15f) |
| ST9711 | SE1524ER Lorax Engine for Freezer Units (XT15f) |



Scanner Engine Back covers cannot be combined with any Pod or End cap Accessories

Pods and end-caps compatible with speaker and camera back covers



ST6104
Replacement Pistol Grip Switch Cover
Normally included with each back cover



ST9701
SE1224HP 1D Scanner

ST9714
SE4500 2D Imager

ST9710
SE965 Back cover for XT15f

ST9711
SE1524ER for XT15f



ST6100
Pistol Grip Kit



ST6500
Pistol Grip Kit

Optional Pistol Grip Kit



ST9703
SE1524ER 1D Scanner



ST6400
Pistol Grip Kit

Optional Pistol Grip Kit

ST9004
Back cover with Speaker



ST9013
Back cover with Speaker and Camera



XT15 Pod Options

 Data capture/other options

Secondary Expansions


- ST9100** Pod Blanking Cap
- ST9204** SE955 1D Standard Range Scanner (Slim Pod)
- ST9114** SE4500 2D Imager (Standard Pod)
- ST9101** SE1224HP 1D Standard Range Scanner (Standard Pod)
- ST9214** SE4500 2D Imager (Slim Pod)
- ST9210** HF RFID Reader

Optional pistol grip

- ST6000** Pistol grip kit for Standard pod scanners



ST6000
Pistol Grip Kit

 Pistol Grip Kit comes with screws.
Order stylus and tether separately




ST9114
SE4500 2D Imager Standard Pod



ST9101
SE1224HP 1D Scanner Standard Pod



ST9210
HF RFID Reader Pod

Works with Speaker, Camera, GPS, Endcap-Scanner, but not in combination with WAN radios and pistol grip. 

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End Cap Options



Data capture/other options

End-Cap Options

Standard blank End-cap

| | |
|---------------|---------------------------------|
| ST9301 | No Antenna |
| ST9401 | GPS Antenna |
| ST9500 | GPS and EDGE/Cellular Antennas |
| ST9600 | GPS and HSPA+/Cellular Antennas |

SE955 1D Standard Laser End Cap

| | |
|---------------|---------------------------------|
| ST9304 | No Antenna |
| ST9404 | GPS Antenna |
| ST9504 | GPS and EDGE/Cellular Antennas |
| ST9604 | GPS and HSPA+/Cellular Antennas |

SE4500 2D Standard Imager End Cap

| | |
|---------------|---------------------------------|
| ST9314 | No Antenna |
| ST9414 | GPS Antenna |
| ST9514 | GPS and EDGE/Cellular Antennas |
| ST9614 | GPS and HSPA+/Cellular Antennas |

Optional pistol grip

ST6300

Flush Mount Pistol Grip Kit for
End Cap Scanners

Pistol Grip Kit comes with
Stylus (ST6101) and screws 



ST9301
Blank End Cap



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Battery Options



Battery options

5300 mAh Battery



ST3003

Standard Battery Pack 5300 mAh, for Omnia XT15 Standard model, all configurations

5300 mAh Battery



ST3002

Arctic Freezer Battery Pack 5300 mAh; ships with XT15 Arctic; compatible with all XT15f models

Hazardous Environments

5000 mAh Battery



ST3001-NI


NI Spare Battery Pack 5000 mAH for XT15ni - Non-Incendive models only

ST3001-NI exclusive to XT15NI, failing to comply will void UL rating



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Keyboard and Keypad options

All replacement keypads are available and can be changed on site, without sending it to service depot. 



Keyboard Options

34 Key Numeric Telephony

ST5013

Large Numeric Keys
Alpha Character by SMS System

Replacement keypad part number:
ST5103



59 Key Shifted Alpha

ST5017

Telephone Style Numeric
6 Function Keys – (no F5)

Replacement keypad part number:
ST5117



36 Key Modified Alpha

ST5012


Calculator style numeric keypad
12 Direct Function Keys

Replacement keypad part number:
ST5112



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Keyboard and Keypad options

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Keyboard Options

36 Key Numeric Telephony

ST5011

Large Numeric Keys
12 Function Keys

Replacement keypad part number:
ST5111



55 Key Alpha Numeric

ST5004

Telephone Style Numeric
Alpha ABC Layout

Replacement keypad part number:
ST5104



66 Key QWERTY

ST5003


Telephone Style Numeric
Alpha QWERTY Layout

Replacement keypad part number:
ST5103



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Keyboard and Keypad options

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Keyboard Options

59 Key Alpha Numeric ST5010

Telephone Style Numeric Keys
6 Function Keys

Replacement keypad part number:
ST5110

59 Key Alpha Num (ORACLE function keys)

ST5015
Telephone Style Numeric

Replacement keypad part number:
ST5115

66 Key QWERTY (ORACLE function keys)


ST5016
Alpha QWERTY Layout

Replacement keypad part number:
ST5116



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Keyboard and Keypad options

All replacement keypads are available and can be changed on site, without sending it to service depot. 



Keyboard Options

58 Key Freezer Keypad

ST5005

Alpha Numeric Keys
6 Function Keys

Replacement keypad part number:
ST5105



34 Key Freezer Keypad

ST5014

Telephone Style Numeric
12 Function Keys

Replacement keypad part number:
ST5114



Step 5: Choose the operating system

 Operating System options



**Microsoft Windows
Embedded Handheld 6.5
Classic Edition**

**Microsoft Windows
Embedded Compact 6.0**



 **Windows Embedded
Handheld**

Operating System Configurations

Microsoft Windows embedded Handheld 6.5
Professional Edition

Microsoft Windows Embedded Compact 6.0

 **Microsoft
Windows CE**

OS in Local languages available for download on
Support Central

https://portal.motorolasolutions.com/Support/US-EN/Mobile+Networks+RFID+and+BarCode+Scanners/Mobile+Computers/Handheld+Computers/Omnii_XT15_US-EN

XT15

Charging methods



Cradle options



Single Slot Cradle Kit:

ST4002
(Worldwide except Argentina)

USB only – **Includes:** ST1050 power supply and PX3058 USB Cable (connects to Micro-USB/B port for ActiveSync communications)

ST4002-AR
(Argentina only)

USB only – **Includes:** ST1050-AR power supply and PX3058 USB Cable.

ST4003
(Worldwide except Argentina)

USB, Serial, Ethernet – **Includes:** ST1050 power supply and PX3058 USB Cable (connects to Micro-USB/B port for ActiveSync communications)

ST4003-AR
(Argentina only)

USB, Serial, Ethernet – **Includes:** ST1050-AR power supply and PX3058 USB Cable.



The single slot cradle can charge a XT15 terminal, charges a spare battery and has USB master and slave connections.

Additional accessories for single slot cradle



ST1050

Wall Adapter Power Supply (Worldwide except Argentina)



ST1050-AR

Wall Adapter Power Supply (Argentina only)



PX3058

Micro USB Cable



ST4100

Cradle Ethernet / Serial XMOD Kit - adds Ethernet, Serial port to USB Only Single Slot Cradle (ST4002 or ST4002-AR)

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Charging methods



Cradle options



4 Slot Ethernet/Charging Cradle:

ST4004

Docking station quad Ethernet (power cable sold separately)

Ethernet Daisy Chain Capable



AC Line Cords:

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

PS1055-G1

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

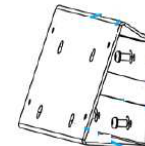


Battery Charger



ST3006

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



MT2031

Wall mount bracket for 6-slot spare battery charger

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Charging methods



Cradle options



Vehicle cradle:

ST1000

Un-powered Vehicle cradle – designed to securely mount XT15, does not provide any power or peripheral ports

ST1002

Powered Vehicle cradle 12v-30v - Charges XT15 and also supports Power, USB, RS232 Serial connections. Cables for Power, USB, RS232 ordered separately

Optional Accessories



CA3002

Vehicle Cradle Cigarette Lighter Adapter



PS1350

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



MT3324 MT3325



When using the vehicle cradle, the universal RAM mount arm is required (Order separately 5" or 8" arm)



A base or clamp is required as vehicle side attachment (Order separately MT3501, MT3502, MT3505, MT3507, MT3509, MT3510)



CA3000
Power only



CA3001
Power + Connector block
with 2 USB + RS232



CA1210
Connects power
cable to vehicle
battery

For powered connection, must order a power cable 9-20V input (CA1210) or the vehicle power outlet adapter cable (CA3000, CA3001)



MT3327 has USB RS232
connector block mount
capability



MT3328 – RAM
mount vertical



MT3326 – RAM
mount horizontal



A mounting bracket is required when vehicle cradle's RAM mount is anchored to horizontal/vertical surface (Order separately MT3327, MT3326, MT3328)

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Mobile Charging Options

Adapter /Snap-on Modules

Charge only Module



ST4000

Provides device charging connection

USB/Charge Module



ST4001

Provides Micro USB/B, USB/A and charging connections

RS232/Charge Module



ST4005

Provides RS232 DE9 and charging connections



All Snap-on modules require ST1050/ST1050-AR Power Supply for AC charging OR ST3113 Cigarette Lighter Adapter for in-vehicle charging

ST4001 also requires PX3058 Micro USB Cable to support ActiveSync connections



ST3113

Auto Charge/Cigarette Lighter Adapter Cable, 12V DC input


WAP4

Carrying Accessories

 Carrying options

Rubber Boots

ST6080 Rubber Boot for units with **Standard Back Cover** (Yellow or Grey ST6081)

ST6086 Rubber Boot (Blue) for **Freezer units** with **Standard Back Cover** 

ST6082 Rubber Boot for units with **Expansion Back Cover** (Yellow or Grey ST6083)

ST6084 Rubber Boot for units with **Expansion Back Cover and End Cap scanner** (Yellow or Grey ST6085)

Optional shoulder strap for rubber boots

CV6021 Shoulder strap for use with all rubber boots



ST6084
Rubber Boot for Units with
Expansion Back cover and
End cap scanner

ST6080
Rubber boot for units with
Standard Back Cover

XT15

Carrying Accessories

Carrying options

Soft Shell Holsters



Compatible with
Pistol Grip units 

ST6050

Soft shell holster
Includes waist belt and leg strap



ST6091

Soft Shell Pouch with Belt Clip

 Not compatible with Pistol Grip

Other Holsters



ST6055

Hard Shell/Form Fit Holster for units with
Standard Back Cover. **ST6056** for units
with Expansion Back cover and Std Pods



ST6051

Forklift
Holster



ST6052

Forklift Holster, supports
Rubber Boot (ST6086)

Carry Case



ST6090

Carry Case for units with
Standard Back cover

ST6092

Carry Case for units with
Expansion Back cover

ST6093

Carry Case for units with
Expansion Back cover and
End Cap Scanner – Non FCC
country approved

Compatible with
Pistol Grip units 

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Carrying Accessories

Carrying options

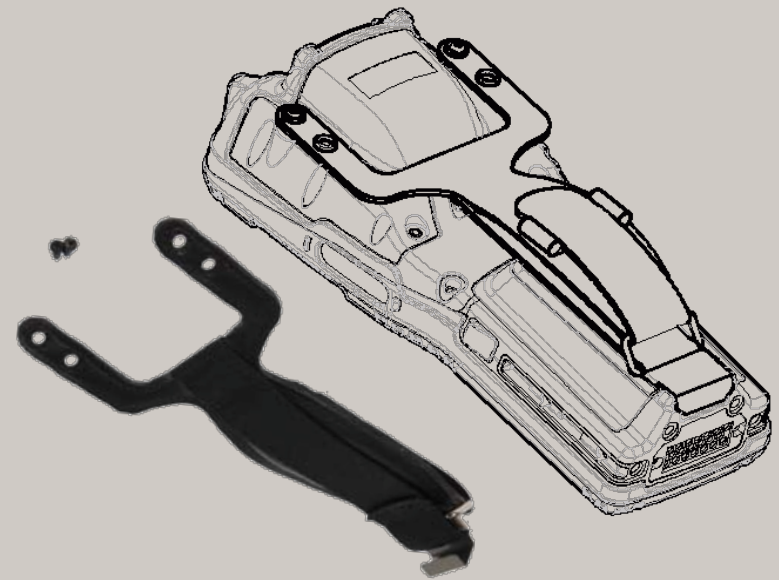
Hand Straps

- ST6025** Adjustable double-loop hand strap
- ST6026** Non-adjustable and elastic hand strap (recommended for use with vehicle cradle)

Hand Straps include a storage option for stylus 

Miscellaneous

- ST6040** Wrist Strap
- ST6101** Short Yellow Stylus (Pack of 3)
- ST6102** Long Grey Stylus (Pack of 3)
- ST6103** Tethers for Stylus (Pack of 3)
- ST6310** Stylus Holder
- RV6105** Screen Protector/Guard



ST6025
Double-loop Hand Strap with
option Stylus

ST6040
Wrist Strap

ST6310
Stylus Holder





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