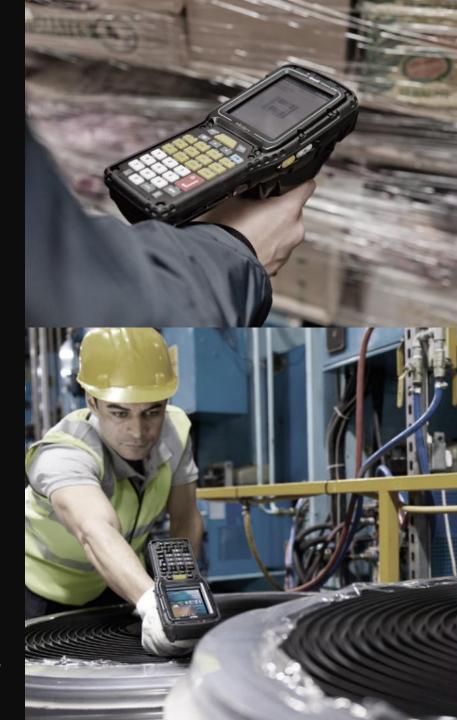


Omnii™ XT15

EMC Configuration and Accessories Guide

Designed to assist customers and partners with model and configuration guidance





List of changes

Version Update (Feb 2017)

- 1. Slide 5: Updated hyperlink to Partner Portal
- 2. Slide 8: Updated Exceptions Table
- 3. Slide 13: Added warnings for XT15 Narrowband scanner pod and pistol grip upgrades
- 4. Slide 16, 17, 18, 19: Added ST5998 keypad bezel removal tool.
- 5. Slide 21, 22: Updated charging accessories P/Ns with Level 6 replacements, added specifics about DC cord and AC line cords.



Contents

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





XT15 Configuration Guide





XT15 Series

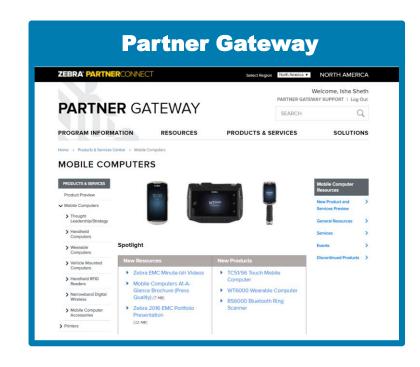
CONFIGURATION AND ACCESSORY
GUIDES are available on on The
Source and PartnerPortal

- Also see <u>www.zebra.com/xt15</u> and the XT15 Configuration and Accessories Guide
- XT15/WAP4 Positioning Strategy
 Webinar & presentation with use-case driven approach

Partner Central

Find Product Information in the **EMC Product Portfolio** on <u>The Source</u>

and PartnerPortal





XT15 Configuration Matrix

CONFIGURATION OPTIONS:	WA4xx	OPTION	DESCRIPTION
	OBXXXXXXXXXXXXX	В	XT15
Product Type	ODxxxxxxxxxxxxx	D	XT15 Non Incendive Class I Div 2
	OE XXXXXXXXXXXXX	E	XT15 Freezer
	Ox ₀ xxxxxxxxxxxxxx	0	Standard with High Visibility display (EOL)
Display and On Tamp Banga	Ox1xxxxxxxxxxxxxxx	1	Standard with Extreme Duty (Higher Impact Resistance) display
Display and Op. Temp. Range	OE3xxxxxxxxxxxxxx	3	Chiller (Condensation Resistant) with Extreme Duty display
	OE4xxxxxxxxxxxxxx	4	Arctic (-30C) with Extreme Duty Heated Display
Memory	Oxx3xxxxxxxxxxxx	3	512MB SDRAM/1GB Flash ROM
0	Oxxx1xxxxxxxxxxx	1	Microsoft CE 6.0
Operating System Options	OxxxAxxxxxxxxxxx	Α	Microsoft Windows Embedded Hand Held 6.5
	Oxxxx1xxxxxxxxxx	1	English
	Oxxxx2xxxxxxxxxx	2	French
Local Languages	Oxxxx3xxxxxxxxxx	3	German
	Oxxxx5xxxxxxxxxx	5	Italian
Emulation, Mobile Device Management, Browser Software	Oxxxxx0xxxxxxxxx	0	No Terminal Emulation, No MDM
	OxxxxxXxxxxxxx	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)
	Oxxxxxxx0xxxxxxx	0	No Keyboard Installed - Order keyboard separately
	Oxxxxxxx1xxxxxxx	1	59 Key, Alpha ABC, Numeric Telephony, 6 Function single push
	Oxxxxxxx1xxxxxxx	2	36 Key, Numeric Telephony, 12 Function single push
	Oxxxxxxx3xxxxxxx	3	36 Key, Alpha Modified, Numeric Calculator, 12 Function single push
	Oxxxxxxx4xxxxxxx	4	55 Key, Phone Keys, Alpha ABC, Numeric Telephony
	0 5	_	66 Key, Phone Keys, Alpha QWERTY, Numeric Telephony, 6
Keypad Options	Oxxxxxxx5xxxxxxx	5	Function 10 Functi
	Oxxxxxxx8xxxxxxx	8	34 Key, Numeric Telephony, 12 Function Single Push
	OxxxxxxxAxxxxxxx	А	Oracle, 59 Key, Alpha ABC, Numeric Telephony, 6 Function Single Push
	OxxxxxxxxxXXXXXXXXXXXXXXXXXXXXXXXXXXXX	В	Oracle, 66 Key, Phone Keys, Alpha QWERTY, 6 Function Keys
	OEXXXXXX CXXXXXXX	С	58 Key, Freezer Legacy Colors, Alpha ABC, Numeric Telephony
	OExxxxxxDxxxxxxx	D	34 Key, Freezer Legacy Colors, Numeric Telephony, 12 Function



XT15 Configuration Matrix (XT15,F,NI) *Unique Configurator for XT15NB

CONFIGURATION OPTIONS:	WA4xx	OPTION	DESCRIPTION
Future	Oxxxxxxxx0xxxxxx	0	None
	Oxxxxxxxxx0xxxxx	0	802.11 A/B/G/N, BT 2.0+ EDR, No WAN
Radio Options	Oxxxxxxxxx1xxxxx	1	802.11 A/B/G/N, BT 2.0+ EDR, GPS - End of Life
	Oxxxxxxxxx2xxxxx	2	802.11 A/B/G/N, BT 2.0+ EDR, HSPA +, GPS
	Oxxxxxxxxxx1xxxx	1	None
	Oxxxxxxxxxx2xxxx	2	Push-to-Talk Speaker
	Oxxxxxxxxxx3xxxx	3	Push-to-Talk Speaker, Camera
Standard Expansion Back Cover	Oxxxxxxxxxx8	8	Imager 2D – SE4500
(No Pod or End Cap Capability)	Oxxxxxxxxxx9xxxx	9	Imager 2D – SE4600LR
	OxxxxxxxxxAxxxx	А	Scanner 1D – Auto Range SE1524ER
	OxxxxxxxxxBxxxx	В	Scanner 1D - Standard Range SE1224HP
	OxxxxxxxxxExxxx	Е	Scanner 1D – Standard Range SE965HP
	Oxxxxxxxxxxx1xxx	1	None
	Oxxxxxxxxxx8xxx	8	Imager 2D – SE4500
Secondary Expansion POD	OxxxxxxxxxxBxxx	В	Scanner 1D – Standard Range SE 1224HP
	OxxxxxxxxxxDxxx	D	Scanner 1D – Standard Range SE955
	OxxxxxxxxxxxTxxx	Т	HF RFID Note: Incompatible with WAN
	Oxxxxxxxxxxxx1xx	1	None
Secondary Expansion ENDCAP	Oxxxxxxxxxx8xx	8	Imager 2D – SE4500
	OxxxxxxxxxxxDxx	D	Scanner 1D – SE955
	Oxxxxxxxxxxxxx0x	0	Standard 5000 mAh Lithium Ion Battery
Battery Options	ODxxxxxxxxxxxxx1x	1	Non-Incendive 5000 mAh Lithium Ion Battery
	OExxxxxxxxxxxx2x	2	5300 mAh Freezer Battery (required on Arctic)
	Oxxxxxxxxxxxxxxx1	1	No input accessories
Input Accessories	Oxxxxxxxxxxxxxx2	2	Pistol Grip, Tethered Stylus
	Oxxxxxxxxxxxx4	4	Hand strap, Tethered Stylus



Terminal

Narrowband

Freezer

NI

NI

Configuration Exceptions List

Sec Exp

(Pod)

HF RFID

HF RFID

Or

SE4500

Sec Exp

(End cap)

Radio

Std Expansion

(Back cover)

or SE4600

SE4600 or,

SE1524 or,

SE965

SE4600 (or)

SE4500 or, SE4600 or.

SE1524ER or.

SE1224HP

All		HF RFID Reader	WWAN		Yes	
All		HF RFID Reader		Pistol Grip	No	RFID unit fits in the same location as pistol grip
All	SE4600, SE1524	HF RFID Reader			No	The only scanners that can be used with RFID are end cap scanners. Only SE4500 is currently available with a HF RFID.
Freezer		HF RFID Reader				No Pod options are available for Freezer (and HF RFID requirement). HF RFID has not been qualified for NI.
All	Camera PTT, speaker	HF RFID Reader			Yes	
Freezer with Narrowband					NO	XT15 can be either Narrowband or Freezer, not technically feasible to support both on the product
Narrowband	SE1524 (Lorax)				No	XT15NB supports scan engines in the large and small pods only: SE1224, SE955 and SE4500. SE4600 is too high of a power

No

Yes

Yes!

(New)

Yes

new SKUs)

SE1524ER and SE1224HP.

Compati

ble

Explanation

WWAN requires expansion back cover so only end cap and pod

consumer to integrate with NB and SE1524 (Lorax) is technically feasible to integrate as a future option – request via CPR process.

Only 3 scanners compatible with XT15F SE4600, SE1524 and SE965

SE4600 LRI back cover can now be used with XT15 NI variant. HF

RFID pod can also be used with XT15NI (Use field request to request

XT15 Narrowband SKUs are not compatible with HF RFID.

Only 4 scanners compatible with XT15NI SE4500, SE4600,

scanners can work - which are SE4500, SE955, SE1224HP

Input

Accessory

ΑII **WWAN** Lorax



Main XT15 Variants



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

XT15nb Narrowband

Operating System

• Windows CE 6.0

Region & Memory

- 512MB SDRAM/1GB Flash ROM
- UK countries (512 MB RAM/1 GB Flash)
- Non-UK (512 MB RAM/1 GB Flash)





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/knowledgebase/949.omnii-product-manuals.aspx



XT15 Display Options



ST2003 (EOL)

XT15 High Visibility

display module

End of Life, order ST2004





GLEERA

(II) 1 4

phone

camera

email

scan

maps

browser

XT15 Extreme Duty display module

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







XT15F Chiller display **Module**

ST2008

-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

Standard Expansions

ST9002 ST9714	Blank Expansion Back cover 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)
ST9716	SE4600 LR Extended 2D Imager for Freezer Units (XT15f)



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



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







ST9714 ST9710 SE4500 SE965 Back cover for XT15f 2D Imager

Optional Pistol



ST9711 **SE1524ER** for XT15f

\.....



ST6100

Grip Kit



ST6500 Pistol Grip Kit



ST9703 SE1524ER 1D Scanner



ST6400 Pistol Grip Kit







ST9013 Back cover with Speaker and Camera



XT15 Pod 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)

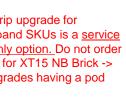
ST9214 SE4500 2D Imager (Slim Pod)

ST9210 HF RFID Reader

Optional pistol grip

ST6000 Pistol grip kit for Standard pod scanners

Pistol Grip upgrade for Narrowband SKUs is a service depot only option. Do not order ST6000 for XT15 NB Brick -> Gun upgrades having a pod module.



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



ST6000 only compatible with **Standard** Pod modules (ST9114 and ST9101)



ST9114 SE4500 2D Imager Standard Pod



ST9101 SE1224HP 1D Scanner Standard Pod

Adding a Scanner pod module to XT15 Narrowband SKUs is a service depot only upgrade option. Pod modules will not come with necessary components to perform this upgrade on XT15 NB.

> ST9210 HF RFID Reader Pod

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

HF module not compatible with freezer, SE4600 or SE1524





XT15 End Cap Options

End-Cap Options

Standard Blank End Cap

ST9301 No Antenna ST9401 GPS Antenna

ST9500 GPS and EDGE/Cellular AntennasST9600 GPS and HSPA+/Cellular Antennas

SE955 1D Standard Laser End Cap

ST9304 No Antenna ST9404 GPS Antenna

ST9504 GPS and EDGE/Cellular AntennasST9604 GPS and HSPA+/Cellular Antennas

SE4500 2D Standard Imager End Cap

ST9314 No Antenna ST9414 GPS Antenna

ST9514 GPS and EDGE/Cellular AntennasST9614 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





XT15 Battery Options

ST3003 Standard Battery Pack 5300 mAh, for Omnii XT15 Standard model, all configurations



Hazardous Environments



ST3003-NI exclusive to XT15NI, failing to comply will void UL rating





ST5998Keypad bezel removal tool

34 Key Numeric Telephony ST5013

Large Numeric Keys Alpha Character by SMS System

Replacement keypad part number: **ST5103**



59 Key Shifted Alpha SAP 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









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









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









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







XT15 Operating Systems



Microsoft Windows
Embedded Handheld 6.5
Classic Edition







Operating System Configurations

Microsoft Windows embedded Handheld 6.5 Professional Edition

Microsoft Windows Embedded Compact 6.0



OS in Local languages available for download on Zebra Support site https://www.zebra.com/us/en/support-downloads/software/operating-system/omnii-xt15-operating-system.html



XT15 Charging Methods



Single Slot Cradle Kit:

ST4002-WW (Worldwide)

Single Slot Docking Station Desktop USB (Includes: Pwr Supply PWR-BGA12V50W0WW, DC Cable CBL-DC-385A1-01 & Active Sync Cable) Requires:

Country Specific Grounded AC Line Cord

separately

ST4003-WW (Worldwide)

Single Slot Docking Station Desktop USB ETH/RS232 (Includes: Pwr Supply PWR-BGA12V50W0WW, DC Cable CBL-DC-

385A1-01 & Active Sync Cable)

Requires: Country Specific Grounded AC

Line Cord separately

dditional accessories for single lot cradle



PWR-BGA12V50W0WW

Level VI AC/DC Power Supply (Brick) AC Input: 100-240V, 2.4A DC Output: 12V, 4.16A,

50W

Requires: DC line cord and Country specific grounded AC

line cord.



CBL-DC-385A1-01

DC Line Cord for running Omnii XT15 snap modules and cradles from a single Level VI power supply PWR-BGA12V50W0WW, Level VI replacement for ST1050 and ST1050-AR



PX3058

Micro USB Cable



ST4100

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





XT15 Charging Methods



4 Slot Ethernet/Charging Cradle: ST4004-WW

Four Slot Docking Station Quad Ethernet (Includes Pwr Supply PWR-BGA12V72W0WW)

Requires: Country Specific Grounded AC Line Cord separately

Ethernet Daisy Chain Capable

PWR-BGA12V72W0WW

Level VI AC/DC Power Supply (Brick w/captive DC Cable) AC Input: 100-240V, 2.0A DC Output: 12V, 6A, 72W. **Requires:** Country specific grounded AC line cord.



50-16000-727R





MT2031

Wall mount bracket for 6-slot spare battery charger

BRA

AC Line Cord	Description AC Line Cord	Associated Country
23844-00-00R	AC line cord, 7.5 feet long, grounded, three wire. Associated Country: US	US
50-16000-217R	AC Line Cord, 1.9M, grounded, three wire, AS 3112 plug. Associated Country: Australia, New Guinea	AU, PNG
50-16000-218R	AC Line Cord, 1.8M, grounded, three wire, NEMA 1-15P plug. Associated Country: Japan	JP
50-16000-219R	AC Line Cord, 1.8M, three wire, grounded BS1363 plug. Associated Countries: Hong Kong, Iraq, Malaysia, Singapore, United Kingdom	HK, IRQ, MYS, SGP, UK
50-16000-220R	AC Line Cord, 1.8M, grounded, three wire CEE 7/7plug. Associated Countries: Europe, Abu Dhabi, Bolivia, Dubai, Egypt, Iran, Korea, Russia, Vietnam	EU, ARE, BOL, ARE, EGY, IRN, KOR, RUS, VNM
50-16000-256R	AC Line Cord, 1.8M, grounded, three wire, CEE7/7 plug. Associated Country: Korea	KOR
50-16000-257R	AC Line Cord, 1.8M, grounded, three wire, IEC 60320 C13 plug. Associated Country: China	CHN
50-16000-669R	AC Lind Cord, 1.9 M grounded, three wire, BS 546 Plug. Associated Country: India	IND
50-16000-671R	AC Line Cord, 1.8M grounded, CIE 23-16 plug. Associated Country: Italy	ITA
50-16000-672R	AC Line Cord, 1.9M grounded, three wire, S132 Plug. Associated Country: Israel	ISR
50-16000-727R	AC Line Cord, 1.9M grounded, three wire. Associated Country:	RRΔ



XT15 Charging Methods



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





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

MT3324 MT3325



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







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)



Vehicle Cradle Cigarette Lighter Adapter



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









MT3327 has USB RS232 connector block mount capability

MT3328 - RAM

MT3326 - RAM mount vertical mount horizontal



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



XT15 Mobile Charging Options









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



ST4005 (DE9 connectivity) is not compatible with XT15 Narrowband configurations.

ST3113

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



XT15 Carrying Accessories

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



ST6080Rubber boot for units with Standard Back Cover



XT15 Carrying Accessories

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







XT15 Carrying Accessories

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

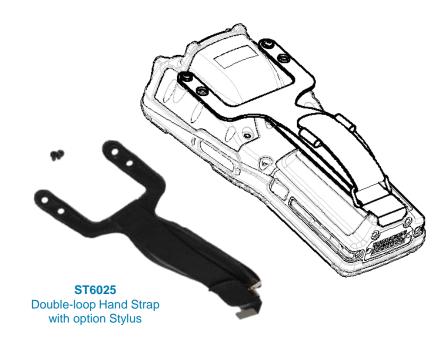


Miscellaneous

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



ST6040 Wrist Strap



ST6310 Stylus Holder

