NC Sheriffs' Association Technology Bid # 23-02-0222

Discount Catalog for Motorola Solutions Inc

8% Discount off Broadband & Orchestrate

Key Notes:

- **The NCSA fee of 0.0075 (3/4%) will be added to the Sales Price (Discount from MSRP)**
- **Freight & Sales Tax are not included in pricing**
- **Services are available – please contact Chris Hunter for info**
- **With current Supply Chain issues, MSRP prices are subject to change**

NITRO PRICE PAGES OVERVIEW

General Information:

Nitro is the next generation professional communications solution that combines business-critical voice with lightning-fast private broadband data. It utilizes the Citizens Broadband Radio Service (CBRS) spectrum. Nitro delivers reliable, clear push-to-talk over a private

Features:

- 2-4x WiFi Range	- Simplified provisioning	- Security and access control
- 2x WiFi Capacity	- Centralized, web-based configuration	- Transparent device updates
- Cloud-based core (aaS)	- Interoperation with LMR (WAVE)	- Simple network architecture

Below is a brief summary of each of the Nitro Price Page tabs included here:

"NITRO Infrastructure - Capital" Option

- All Nitro hardware components (CBSD, Routers, OnPrem Edge Gateway, and PTP Servers) are offered for purchase in the Capital Purchase model ("Capital").
- A smaller monthly service fee (Software User Agreement) is still required to connect to the Nitro Cloud Core and for SW & HW
- Higher upfront costs, but a lower monthly Software User Agreement. - Software User Agreements can be paid monthly or Paid in Advance.

"NITRO Infrastructure - Monthly Service Fee" Option

- Key Nitro hardware components (CBSD, Routers, OnPrem Edge Gateway, and PTP Servers) are offered for a monthly service fee (Software User Agreement) that includes equipment usage, Nitro Cloud Core connection fees, as well as Essential Service with Advanced Replacement.
- No additional Software User Agreements are required to connect to the Nitro Cloud Core.- Lower upfront costs, but a higher monthly

Nitro Recommended Switches

- Switching equipment can be purchased by the Dealer through MOL, COEE or other means.
- Alternatively, Partners and Customers can provide thier own switching ("BYOD Switches"), however certain requirements must be met to satisfy the NITRO switching requirements. Please see the Nitro System Planner for details on "BYOD Switches."

Nitro User Equipment & SIM's

- All Nitro End Users devices that connect to a Nitro network require a Nitro SIM card. These can be purchased through MOL.

- All Nitro End User devices require a data plan (Software User Agreement) to connect to a Nitro network. There are only two (2) flavors: Basic Data and Unlimited Data.

- Software User Agreements can be paid monthly or Paid in Advance.- These Software User Agreements are activated through

Ancillary Items

- This tab provides a list of commonly used optional hardware items for a Nitro network. They include items such as antennas, line, mounting equipment, AC/DC converters, arrestors, and Fiber jumpers.
- Ancillary equipment can be purchased by the Dealer through MOL, COEE or through other means.

NITRO RESELLER PRICES - CAPITAL OPTION

General Information:

Nitro is the next

Features:

- 2-4x WiFi Range	- Simplified provisioning	- Security and access control
- 2x WiFi Capacity	- Centralized, web-based configuration	- Transparent device updates
- Cloud-based core (aaS)	- Interoperation with LMR (WAVE)	- Simple network architecture

Each Initial NITRO Network is comprised of the following components:

- 2 Routers (Juniper SRX 345 Firewall/Router) connected to the Nitro Cloud Core
- 1-X Edge Timing Master (uFalconSTG/MXG PTP) for timing to CBSD's w/o access to GPS (eg, Indoor CBSD's)
- SLX 2000's, SLX 4000's and SLX 5000's CBSD's to provide NITRO coverage & capacity.
- Optional NITRO On-Prem Edge Gateways

NOTE:

Nitro CBSD's and Infrastructure components below are not available to order on MOL. Channel Partners must be certified and go through the Center of Excellence Engineering (CoEE) Team using the "Nitro Reques

For additional information on the certification process, Nitro, and the "Nitro Request Form," please visit Partner Central.

All SLX purchased still require monthly Software User Agreements for connecting to the Nitro Cloud Core. (See below)

All NITRO monthly Software User Agreements are activated through the Nitro Portal after installation and require minimum two (2) year contracts.

All SLX CBSD's require:

 a minum of one (1) SRX345 Router for connection to the Nitro Cloud (two recommended)

 a timing source; either GPS or minimum of one (1) FibroLAN PTP server

Please consult the Nitro System Planner for a detailed list of required equipment for designing and deploying a Nitro network.

Customer-specific WAN IP information may be required for Firewall/Routers if Static IP is desired. Please see the Nitro System Planner for DHCP and Static IP requirements.

See Partner Empower agreements for more detailed service terms and conditions.

#VALUE!

Nitro Infrastructure Equipment

MODEL	DESCRIPTION	MSRP
AAE20048ENA1AN	SLX 2000 Indoor CBSD 3550-3700M 250mW **NOT AVAILABLE ON MOL** Include	$4,450.00
AAE40048ENB2AN	SLX 4000 Outdoor CBSD 3550-3700M 316mW **NOT AVAILABLE ON MOL** Include s: CBSD	$7,850.00
AAE50048INB2AN	SLX 5000 Outdoor CBSD 3550-3700M 2W **NOT AVAILABLE ON MOL** Include	$7,130.00
SELECT RF ANTENNA OPTION:		
CA03731AA	**WITHOUT INTEGRATED RF ANT FOR SLX 5000**	$0.00
CA03732AA	**WITH INTEGRATED RF ANTENNA FOR SLX 5000**	$770.00
SELECT MOUNTING OPTION:		
CA03683AA	SLX5000 Wall/Pole Mount Bracket	$350.00

SELECT GPS ANTENNA OPTION:

      CA03682AA ADD: Direct Mount GPS Antenna 4 $230.00

SELECT CONNECTOR ADAPTER MANDATORY (must select one):

      CA03684AB CONNECTOR-ADAPTOR,RJ45, SLX 5000 $85.00

      CA03685AA CONNECTOR-ADAPTOR,SFP, SLX 5000 $85.00

Note: SLX 2000, SLX 4000 & SLX 5000 purchased still require Monthly Software User Agreements to connect to the Nitro Cloud Core. See pricing for Software User Agreements below.

NETWORKING

MODEL	DESCRIPTION	MSRP
Nitro Firewall/Router (two required)		
T8577A	JUNIPER SRX 345 FIREWALL **NOT AVAILABLE ON MOL**	$1,610.00
	Notes:	
PTP TIMING SOURCE		
EQ000235A01	uFalcon MXG PTP BNDL w/ Shelf HW + ACDC PSU, 5YR HW/SW **NOT AVAILABLE ON MOL**	$5,885.00
	Notes:	
OnPrem Edge Gateway		
SQM01SUM0319A	Nitro OnPrem Edge Gateway (Standard) **NOT AVAILABLE ON MOL**	$6,350.00
	Include	

Note: Nitro OnPrem Edge Gateway require additional Monthly Software User Agreement to connect to the Nitro Cloud Core. See pricing below.

*Redundant/Expansion Edge Gateway requires a 2nd switch

**Redundant PTP Server requires a 2nd switch, if connected

Nitro Infrastructure Software User Agreements

The following Software User Agreements are required per component purchased above and include the following: - Nitro Cloud Core Functionality, Core EPC - MME/HSS, SAS Services, Cloud/OnPrem S&P Gateway

SLX 2000	SLX 2000 Indoor CBSD 3550-3700M 250mW Connection	$45.00
SLX 4000	SLX 4000 Outdoor CBSD 3550-3700M 316mW Connection	$100.00
SLX 5000	SLX 5000 Outdoor CBSD 3550-3700M 2W Connection	$115.00
SLX Dual Carrier	Enables Dual Carrier capability on the SLX 2000, SLX 4000, and SLX 5000 Nitro CBSD's.	$75.00
	Dual carrier support can be used to provide additional user capacity (128 additional streams) or to enable higher downlink throughput via Carrier Aggregation. For the SLX 4000 and SLX	
OnPrem Edge Gateway	Nitro OnPrem Edge Gateway (High Capacity or Standard)	$50.00

Literature & Information (Available on Motorola Online and/or Partner Central):

https://learning.motorolasolutions.com/

Infrastructure Repair:

Motorola's authorized Repair Depot will repair or coordinate the repair or replacement of the Infrastructure equipment provided by Motorola, including third-party infrastructure equipment supplied as part of the

The Repair Depot will manage the logistics of equipment repair/replace (including shipment and return of repaired equipment), repair or replace Motorola equipment, and coordinate the repair or replacement of

Repair for certain network elements may be conducted on-site by Motorola's vendors or partners. Customer will pay shipping costs to Motorola.

For more information, refer to the Nitro Infrastructure Essential Statement of Work or contact your Motorola representative or your Motorola Customer Support Manager.

http://ecat.comm.mot.com/ecat/pricebooks/dup/infrep2.htm

Infrastructure Repair with Advanced Replacement:

In addition to

Advanced Replacement:

Optional Adv Replacement is available, purchased yearly for a given contract, and includes the following equipment

Pricing is calculated by taking the unit price times the quantity of units purchased in that system.

MODEL	DESCRIPTION	MSRP
AAE20048ENA1AN	SLX 2000 Indoor CBSD 3550-3700M 250mW	$294.69
AAE40048ENB2AN	SLX 4000 Outdoor CBSD 3550-3700M 316mW	$443.44
AAE50048INB2AN	SLX 5000 Outdoor CBSD 3550-3700M 2W	$445.63
T8577A	JUNIPER SRX 345 FIREWALL	$170.44
EQ000235A01	uFalconMXG PTP	$357.47
SQM01SUM0319A	Nitro OnPrem Edge Gateway	$377.81

US VERSION   **Nitro**

NITRO RESELLER PRICES - MONTHLY SERVICE OPTION

General Information:
Nitro is the next generation professional communications solution that combines business-
critical voice with lightning-fast private broadband data. It utilizes the Citizens Broadband
Radio Service (CBRS) spectrum. Nitro delivers reliable, clear push-to-talk over a private

Features:

- 2-4x WiFi Range	- Simplified provisioning	- Security and access control
- 2x WiFi Capacity	- Centralized, web-based configuration	- Transparent device updates
- Cloud-based core (aaS)	- Interoperation with LMR (WAVE)	- Simple network architecture

Each Initial Network Connection includes:
- 2 Routers (Juniper SRX 345 Firewall/Router)
- 1 Edge Timing Grand Master Bundle (includes the uFalcon-MXG PTP with ACDC adaptor and 19" shelf with hardware)

NOTE:
Nitro Software User Agreements are not available to order on MOL. Channel Partners must be certified and go through the Center of Excellence Engineering (CoEE) Team using the "Nitro Request Form."
For additional information on the certification process, Nitro, and the "Nitro Request Form," please visit Partner Central.
Please consult the Nitro System Planner for a detailed list of required equipment for designing and deploying a Nitro network.
Customer-specific WAN IP information may be required for Firewall/Routers if Static IP is desired. Please see the Nitro System Planner for DHCP and Static IP requirements.
#VALUE!

Nitro Infrastructure Software User Agreement

COVERAGE OPTIONS

MODEL	DESCRIPTION	MSRP/mo
SLX 2000	SLX 2000 Indoor CBSD 3550-3700M 250mW	$165.00
	Includes: CBSD w/ 128 active stream support, wall/ceiling mount hardware, integrated 8dBi antenna, copper ethernet or fiber backhaul, POE++ or 12V DC input,	
SLX 4000	SLX 4000 Outdoor CBSD 3550-3700M 316mW	$295.00
	Includes: CBSD w/ 128 active stream support, pole/wall mount hardware (including adapter bands), copper ethernet backhaul, DC -40 to -57V, 10m DC power	
SLX 5000	SLX 5000 Outdoor CBSD 3550-3700M 2W	$305.00
	Includes: CBSD w/ 128 active stream support, integrated 17dBi antenna, pole/wall mount hardware (including adapter bands), Connector Adapter (RJ45 or SFP) for	
SLX Dual Carrier	Enables Dual Carrier capability on the SLX 2000, SLX 4000, and SLX 5000 Nitro CBSD's.	$75.00
	Dual carrier support can be used to provide additional user capacity (128 additional streams) or to enable higher downlink throughput via Carrier Aggregation.	

NETWORKING OPTIONS

OnPrem Edge Gateway	Nitro OnPrem Edge Gateway	$225.00
	Includes: edge gateway hardware (HP DL 20 appliance), edge gateway software, management through the Nitro cloud portal	
Edge Timing Grand Master	Redundant/Expansion Edge Timing Grand Master Bundle	$130.00
	Includes: uFalcon-MXG Edge Timing Master, AC (100-240V) to DC (48V) power adapter, and 19" Rack Shelf. Proivdes PTP timing for up to 128 CBSD's. OCXO	

Notes:
1) Redundant Edge Gateway requires a 2nd switch (not provided).
2) Redundant PTP Server requires a 2nd switch, if connected. (not provided)
3) All Software User Agreements include Essential Services: software updates, firmware updates, technical support, advanced replacement hardware maintenance, etc.

4) All Software User Agreements include Complete Management through the Nitro Cloud Core: fault management, performance management, Software User Agreements, etc.

Nitro Infrastructure Ancillary Equipment - Purchased CapEx
For additional site-specific and optional ancillary items for the SLX 2000, SLX 4000, SLX 5000 and Edge Timing Grand Master PTP server, please see the "Nitro Ancillary Items" page. These items are all available for
For a list of MSI recommended Switches for Nitro, please see the Nitro Recommended Switches tab for pricing and part numbers. These items are all available for purchase on MOL.

Customer-specific WAN IP information may be required for Firewall/Routers. Please see the Nitro System Planner for DHCP and Static IP requirements.

Literature & Information (Available on Motorola Online and/or Partner Central):
https://learning.motorolasolutions.com/

Advanced Replacement:
Advanced Replacement for the above items is included in the Monthly Service Fee.

Nitro
RECOMMENDED SWITCHES

NITRO RESELLER PRICES

General Information:
The following are the Motorola Solutions recommended switches for Nitro networks. These switches can be on-boarded through the Nitro Portal and configurations files easily downloaded. They can also be fault-managed through the Nitro Portal.

3400-24p

EX4300-32F

Features:
- Pre-configured Nitro Switch/IP Plans
- Fault Managed through the Nitro Portal
- MSI Technical Support

300-48MP

NOTE:

Nitro Infrastructure - Recommended Switching Equipment - Purchased CapEx

Ethernet / Fiber Switches listed below are available on MOL.

Ethernet Switch

	REQUIRED BASE	
MODEL	**DESCRIPTION**	**MSRP**
EQ000238A01	EX3400-24P SWITCH BNDL W/ RED 600W PSU, 2 US PWRCRDS	$2,135.00
	Includes 1 EX3400-24P switch with NA power cord and redundant 600W PSU with power cord. Includes Juniper Enhanced Limited Lifetime Warranty.	

	OPTIONAL ACCESSORIES	
DSJPSU600ACAFO	Juniper EX3400 600W AC Power Supply, front-to-back airflow	$450.00
	Expansion PSU allows for PSU redundancy.	
DSCBLEXPWRC13US	Juniper AC power cable, U.S. for EX3400-24P Switch	$29.00
DSEXSFP1GELX	Juniper 1000Base-LX GbE Optics SFP, 10 km transmission on SMF	$756.00
	Small Form Factor Pluggable 1000Base-LX Gigabit Ethernet Optics SFP 1000BASE-LX Gigabit Ethernet Optics, 1310 nm for 10 km transmission on SMF	
DSEXSFP1GESXR20	Juniper 1000Base-SX GbE Optics SFP, 550m transmission on MMF	$326.70
	Small Form Factor Pluggable 1000Base-SX Gigabit Ethernet Optics SFP 1000BASE-SX Gigabit Ethernet Optics, 850 nm for up to 550m transmission on MMF	

Fiber Switch

	REQUIRED BASE	
MODEL	**DESCRIPTION**	**MSRP**
DSEX430032F	Juniper EX4300 32-port 100/1000BASE-X	$6,704.00
	Includes: base 32-port Fiber Switch for connecting up to 12 CBSD's via SFP (fiber or copper). Additionally, 12 switches can be connected via SFP (fiber): up to 10	
DSCBLEXPWRC13US	Juniper AC power cable, U.S. for EX3400-24P Switch	$29.00

	OPTIONAL ACCESSORIES	
DSEXSFP1GELX	Juniper 1000Base-LX GbE Optics SFP, 10 km transmission on SMF	$756.00
	Small Form Factor Pluggable 1000Base-LX Gigabit Ethernet Optics SFP 1000BASE-LX Gigabit Ethernet Optics, 1310 nm for 10 km transmission on SMF	
DSEXSFP1GESXR20	Juniper 1000Base-SX GbE Optics SFP, 550m transmission on MMF	$326.70
	Small Form Factor Pluggable 1000Base-SX Gigabit Ethernet Optics SFP 1000BASE-SX Gigabit Ethernet Optics, 850 nm for up to 550m transmission on MMF	
DSEXSFP1GETR20	Juniper Small Form Factor Pluggable 10/100/1000 Copper Transceiver Module	$263.00
	Small Form Factor Pluggable 10/100/1000 Copper Transceiver Module	

PoE++ Switch

	REQUIRED BASE	
MODEL	**DESCRIPTION**	**MSRP**

EQ000239A01	EX4300-48MP SWITCH BNDL W/ RED 1400W PSU, 2 US PWRCRDS, 24XPERP 1G 24X100M/1G/2 5G/5G/10G COPPER	$6,550.00
	Includes 1 EX4300-48MP switch with NA power cord and redundant 1400W PSU with power cord. Includes Juniper Enhanced Limited Lifetime Warranty.	

OPTIONAL ACCESSORIES

DSJPSU1400ACAFO	Juniper EX4300-MP 1400W AC Power Supply	$862.00
	Expansion PSU allows for redundant PSU capability.	
DSCBLPWRC15MHTUS	Juniper AC power cable, U.S. for EX4300-48MP Switch	$61.02
DSEXUM4SFPPMR	Juniper EX4300MP 4-port 1GbE/10GbE SFP+ Uplink Module - required for Fiber connections	$1,078.00
DSEXSFP1GELX	Juniper 1000Base-LX GbE Optics SFP, 10 km transmission on SMF	$756.00
	Small Form Factor Pluggable 1000Base-LX Gigabit Ethernet Optics SFP 1000BASE-LX Gigabit Ethernet Optics, 1310 nm for 10 km transmission on SMF	
DSEXSFP1GESXR20	Juniper 1000Base-SX GbE Optics SFP, 550m transmission on MMF	$326.70
	Small Form Factor Pluggable 1000Base-SX Gigabit Ethernet Optics SFP 1000BASE-SX Gigabit Ethernet Optics, 850 nm for up to 550m transmission on MMF	

SFP Guide:

Utilize the guide below to determine the type and number of SFP's required.

DSEXSFP1GELX or DSEXSFP1GESXR20

	EX3400	EX4300	
Fiber Connection (per)	0	2	*Two are required for each fiber connection (between switches, switch to CBSD, etc.)

DSEXSFP1GETR20

	EX3400	EX4300	
Firewall (per)	0	2	
PTP Server (per)	0	2	
OnPrem Edge Gateway (pe	0	2	
Service Laptop Access	0	1	*Optional. Each switch has a port for this purpose. You can access the whole RAN network from any switch, so you may or may not want one on every switch.
Mirror Port	0	1	*Optional. Each switch has a port for this purpose. You can access the whole RAN network from any switch, so you may or may not want one on every switch.

In order to access a Nitro Network, a Nitro SIM card is required prior to activation. This applies to MSI Radios and BYOD devices.

Nitro SIM cards can be ordered via MOL.

User Data Plans are purchased & activated via the Nitro Portal.

Nitro SIMs & User Equipment

MODEL	DESCRIPTION	MSRP
HK2116A	Nitro SIM Card (10-Pack)	$100.00
	s:	
EQ000246A01	MULTITECH LTE ONGO CBRS CELL-ETH BRIDGE INT V2, US ACCESSORY KIT INCLUDED	$415.00
DSTX010500C7CNE	CRADLEPOINT R500 ACAD BUNDLE 1YR NETCLOUD (Incl R500, antennas, AC adptr)	$450.00
DSTX030500C7CNE	CRADLEPOINT R500 ACAD BUNDLE 3YR NETCLOUD (Incl R500, antennas, AC adptr)	$549.00
DSTX050500C7CNE	CRADLEPOINT R500 ACAD BUNDLE 5YR NETCLOUD (Incl R500, antennas, AC adptr)	$693.00
DSTX030500C7CNS	CRADLEPOINT R500 COMM BUNDLE 3YR NETCLOUD (Incl R500, antennas, AC adptr)	$593.00
DSTX050500C7CNS	CRADLEPOINT R500 COMM BUNDLE 5YR NETCLOUD (Incl R500, antennas, AC adptr)	$740.00
AAC55048AEA3AN	SIERRA WIRELESS RV55 EDUCATIONAL BUNDLE (Incl R500, WiFi/cell ants, AC adptr)This model is reserved for Distance Learning applications only.	$450.00
AAC55048ACA3AN	SIERRA WIRELESS RV55 COMMERCIAL BUNDLE (Incl R500, WiFi/cell ants, AC adptr).DC-stocked, lead time 2 days	$750.00
DSAS5410	AirSpot	$699.00

Nitro High Power CPE Software User Agreements

The following Software User Agreements are required for each High Power (CAT-A and or CAT-B) CPE (Ex. DSAS5410) purchased above and include the following: - SAS Serv

MODEL	DESCRIPTION	MSRP (per month)
NA	HighPwrCPE_Software User Agreement	$5.65

Data Plans

Purchased and Activated on Nitro Portal.

PTT plans purchased and activated separately on WaveOnCloud Portal

MODEL	DESCRIPTION	MSRP (per month)
NA	Nitro Basic Data Plan (Data Only) Monthly - BYOD or MSI Radio	$2.50
NA	Nitro Unlimited Data Plan (Data Only) Monthly - BYOD or MSI Radio	$5.65

Nitro Basic Data Plan:

Provides basic connectivity to the Nitro network. This plan is intended to provide basic connectivity to the Nitro Network for applications such as PTT communication, low speed data, an

Nitro Unlimited Data Plan:

Provides basic connectivity to the Nitro network plus Unlimited Data usage.This plan is intended to provide basic connectivity to the Nitro Network plus Unlimited Data usage for users re

Below are the Motorola recommended ancillary items.Ancillary items are available to order on MOL.

SLX 2000

MODEL	DESCRIPTION	MSRP
PMLN7773A	Power Adapter Kit	$200.00
3087791G01	Power Cord, US	$22.00
PMAN4010A	ANTENNA GPS/GLONASS MAG MOUNT	$69.00
BR000448A01	SLX 2000 Suspended Ceiling Mounting Kit	$180.00
DSPOE171A60	POE-171A-60 SINGLE-PORT 10/100/1000MBPS 802.3BT POE INJECTOR (60W)	$207.00
DSVERVORORL	VERACITY OUTREACH LITE ETHERNET EXTENDER	$295.00
DSVERVORORM	VERACITY OUTREACH MAX ETHERNET AND POE EXTENDER	$323.00
DSEXSFP1GELX	SFP SM - 1000BASE-LX, LC DPX, 10km, 1310nm, -40/85	$573.00
DSEXSFP1GESXR20	SFP MM - 1000BASE-SX, LC DPX, 550m, 850nm, -40/85 (OM1/2)	$287.00

SLX 4000

MODEL	DESCRIPTION	MSRP
DSGNSS1TMG26N	GLOBAL GNSS TIMING ANTENNA, 26DB, GPS, GLONASS, GALILEO AND BEIDOU	$250.00
DSGNSS1TMG40N	GLOBAL GNSS TIMING ANTENNA, 40DB, GPS, GLONASS, GALILEO AND BEIDOU	$271.00
DSGPSTMGMNT	MOUNT KIT, COLLAR BRACKET	$32.50
DSGPSTMGLMNT	L MNT FOR GPS TIMING	$24.00
DSGPS06NFF	BULKHEAD COAXIAL RF SURGE PROTECTOR, TYPE N F/F, 1.2GHZ - 1.6GHZ, 10W, (GPS Antenna only)	$107.00
PS000435A01	AC-DC SINGLE 48VDC 154W 3A OUTPUT INDUSTRIAL POWER SUPPLY WITH PFC - IP65This requires CN001149A01 and CN001148A01 (quantity 1 each).	$235.00
CN001149A01	CONNECTOR STANDARD-BTB,3,CONNECTOR STANDARD-CABLE JOINER 3 POLES	$12.00
CN001148A01	CONNECTOR STANDARD-BTB,3,CONNECTOR STANDARD-CABLE JOINER 2 POLES	$13.00
AN000368A01	9DBI OMNIDIRECTIONAL ANTENNA, 3.3-3.8GHZ, N FEMALE CONNECTOR (Requires DSLSXLME below)	$235.00
AN000409A01	20DBI ANTENNA, PANEL,ANTENNA ALPHA WIRELESS 3300-3800MHZ	$630.00
DSAW3014T0FSHI	3300-3800 MHZ, 2 PORT, 65 DEG BEAMWIDTH, DBI 18.0 GAIN DUAL CROSS POL ANTENNA	$638.00
DSE4S0183NM43M	JUMPER, PREMIUM, EC4-50, 6', WITH NM TO 4.3-10M CONNECTORS	$56.00
DSL2TNMPL	3/8" TYPE N MALE POSITIVE LOCK CONNECTOR LDF2-50 CABLE	$21.75
DSALPUF140	HYBRID SPD, WEATHERIZED CONSTRUCTION FOR SPEEDS UP TO AND >1GBE, RJ45	$94.00
DSSCMM052020	MINICAB 120 VAC 20 A W/TVSS	$645.00
DS11011110	SPD, 48V DC DEFENDER, PARALLEL OR SERIES INSTALLED	$203.00
DSLPGTVNFF	DC-7000 MHz N FEM BI-DIRECTION, 150W MAX SURGE CURRENT: 10kA MULTIPLE (RF TX/RX Antenna only)	$54.00
DSLPGTVNFM	DC-7000 MHz N-Male & N-FEM BI-DIRECTION, 150W MAX SURGE CURRENT: 10kA MULTIPLE (RF TX/RX Antenna only)	$52.00
DSLSXLME	PCS MICRO FILTER PROTECTOR (Must be used with OMNI antennas)	$89.00

SLX 5000

MODEL	DESCRIPTION	MSRP
BR000509A01	BRACKET, SLX 5000 MOUNTING KIT	$440.00
CN001708A01	CONNECTOR-ADAPTOR,RJ45, SLX 5000	$95.00
CN001709A01	CONNECTOR-ADAPTOR,SFP, SLX 5000	$95.00
AN000378A01	TIMING ANTENNA, DIRECT MOUNT GPS ANTENNA 4	$340.00

DSGPSTMGMNT	MOUNT KIT, COLLAR BRACKET		$32.50
DSGPSTMGLMNT	L MNT FOR GPS TIMING		$24.00
DSGPS06NFF	BULKHEAD COAXIAL RF SURGE PROTECTOR, TYPE N F/F, 1.2GHZ - 1.6GHZ, 10W,	(GPS Antenna only)	$107.00
PS000435A01	AC-DC SINGLE 48VDC 154W 3A OUTPUT INDUSTRIAL POWER SUPPLY WITH PFC - IP65This requires CN001149A01 and CN001148A01 (quantity 1 each).		$235.00
CN001149A01	CONNECTOR STANDARD-BTB,3,CONNECTOR STANDARD-CABLE JOINER 3 POLES		$12.00
CN001148A01	CONNECTOR STANDARD-BTB,3,CONNECTOR STANDARD-CABLE JOINER 2 POLES		$13.00
AN000368A01	9DBI OMNIDIRECTIONAL ANTENNA, 3.3-3.8GHZ, N FEMALE CONNECTOR	(Requires DSLSXLME below)	$235.00
AN000409A01	20DBI ANTENNA, PANEL,ANTENNA ALPHA WIRELESS 3300-3800MHZ		$630.00
DSAW3014T0FSHI	3300-3800 MHZ, 2 PORT, 65 DEG BEAMWIDTH, DBI 18.0 GAIN DUAL CROSS POL ANTENNA		$638.00
DSE4S0183NM43M	JUMPER, PREMIUM, EC4-50, 6', WITH NM TO 4.3-10M CONNECTORS		$56.00
DSL2TNMPL	3/8" TYPE N MALE POSITIVE LOCK CONNECTOR LDF2-50 CABLE		$21.75
DSALPUF140	HYBRID SPD, WEATHERIZED CONSTRUCTION FOR SPEEDS UP TO AND >1GBE, RJ45		$94.00
DSSCMM052020	MINICAB 120 VAC 20 A W/TVSS		$645.00
DS11011110	SPD, 48V DC DEFENDER, PARALLEL OR SERIES INSTALLED		$203.00
DSLPGTVNFF	DC-7000 MHz N FEM BI-DIRECTION, 150W MAX SURGE CURRENT: 10kA MULTIPLE	(RF TX/RX Antenna only)	$54.00
DSLPGTVNFM	DC-7000 MHz N-Male & N-FEM BI-DIRECTION, 150W MAX SURGE CURRENT: 10kA MULTIPLE	(RF TX/RX Antenna only)	$52.00
DSLSXLME	PCS MICRO FILTER PROTECTOR	(Must be used with OMNI antennas)	$89.00
DSEXSFP1GELX	SFP SM - 1000BASE-LX, LC DPX, 10km, 1310nm, -40/85		$573.00
DSEXSFP1GESXR20	SFP MM - 1000BASE-SX, LC DPX, 550m, 850nm, -40/85 (OM1/2)		$287.00

PTP Server

MODEL	DESCRIPTION		MSRP
DSFPA40	AC (100-240V) TO DC (48V) POWER ADAPTER, 40W		$270.00
DSRM2	19" RACK SHELF, UP TO 2DLAxx, LTAxx AND OTHER HALF RACKS		$150.00
DSGNSS1TMG26N	GLOBAL GNSS TIMING ANTENNA, 26DB, GPS, GLONASS, GALILEO AND BEIDOU		$250.00
DSGNSS1TMG40N	GLOBAL GNSS TIMING ANTENNA, 40DB, GPS, GLONASS, GALILEO AND BEIDOU		$271.00
DSGPSTMGMNT	MOUNT KIT, COLLAR BRACKET		$32.40
DSGPSTMGLMNT	L MNT FOR GPS TIMING		$24.00
DSGPS06NFF	BULKHEAD COAXIAL RF SURGE PROTECTOR, TYPE N F/F, 1.2GHZ - 1.6GHZ, 10W,		$107.00
DSC240NFSM1M	CA:CNT240 BRAIDED CABLE ASSEMBLY 1M	(SMA-M to N-F Adaptor for PTP Server)	$44.50

If supplying your own GPS antenna and cabling, please consult the Nitro System Planner for specifications related to the Nitro PTP GPS Antenna requirements.

FOR PTP SERVER GPS RUNS UP TO 100FT

DSEC150HF	Coaxial Cable, 1/4" Hiflex, 50 ohm with black PE jacket (per foot)		$1.82
DSNF50B14X	Connector, N female interface for EC1-50-HF	(if needed)	$25.75
DSNM50B14X	Connector, N male interface for EC1-50-HF		$25.80

Note: Cable length and connector quantity is dependent on site design.

FOR PTP SERVER GPS RUNS UP TO 200FT

DSEC450HF	Coaxial Cable, 1/2" Hiflex, 50 ohm with black PE jacket (per foot)		$2.40
DSNF50B12X	Connector, N female interface for EC4-50-HF	(if needed)	$29.16
DSNM50B12X	Connector, N male interface for EC4-50-HF		$29.16
DSNM50BL12X	Connector, N male right angle interface for EC4-50-HF		$47.02

Note: Cable length and connector quantity is dependent on site design.

Fiber Optic Jumpers (Multi-Mode)

Used for Switch to CBSD or Switch to Switch connections; please ensure proper SFP modules are ordered and installed.

MODEL	DESCRIPTION	MSRP
DS943980541075	JUMPER, LC/PC(D), 62.5/125 INDOOR/OUTDOOR, 7.5M	$82.00
DS9439805410015	JUMPER, LC/PC(D), 62.5/125 INDOOR/OUTDOOR, 15M	$111.25
DS9439805410030	JUMPER, LC/PC(D), 62.5/125 INDOOR/OUTDOOR, 30M	$170.00
DS9439805410050	JUMPER, LC/PC(D), 62.5/125 INDOOR/OUTDOOR, 50M	$248.25
DS9439805410075	JUMPER, LC/PC(D), 62.5/125 INDOOR/OUTDOOR, 75M	$346.00
DS9439805410100	JUMPER, LC/PC(D), 62.5/125 INDOOR/OUTDOOR, 100M	$444.00
DS9439805410150	JUMPER, LC/PC(D), 62.5/125 INDOOR/OUTDOOR, 150M	$640.00
DS9439805410200	JUMPER, LC/PC(D), 62.5/125 INDOOR/OUTDOOR, 200M	$835.00
DS942984731075	JUMPER, IP-FX - LC/UPC(D) G.657 OFNR/LSZH, I/O, 7.5M	$258.50
DS9429847310015	JUMPER, IP-FX - LC/UPC(D) G.657 OFNR/LSZH, I/O, 15M	$276.50
DS9429847310030	JUMPER, IP-FX - LC/UPC(D) G.657 OFNR/LSZH, I/O, 30M	$315.00
DS9429847310050	JUMPER, IP-FX - LC/UPC(D) G.657 OFNR/LSZH, I/O, 50M	$361.00
DS9429847310075	JUMPER, IP-FX - LC/UPC(D) G.657 OFNR/LSZH, I/O, 75M	$421.00
DS9429847310100	JUMPER, IP-FX - LC/UPC(D) G.657 OFNR/LSZH, I/O, 100M	$481.25
DS9429847310150	JUMPER, IP-FX - LC/UPC(D) G.657 OFNR/LSZH, I/O, 150M	$602.00
DS9429847310200	JUMPER, IP-FX - LC/UPC(D) G.657 OFNR/LSZH, I/O, 200M	$722.25

NITRO EVOLVE Portable
3.5 GHz Band OnGo

Standard Packages Include:
- Standard Battery - Li-Ion, 2900 mAh (BT000592A01) / HIGH CAPACITY BATTERY (BT000593A01)
- Battery Door - STD 2900 MAH   (HKLN5001A) / HIGH CAPACITY (HKLN5002A)
- Standard Charger - Micro-USB Wall Charger (PS000150A11)
- Carry Holster & 3" Belt Clip (PMLN8254A)

Key Features:

PTT Voice (WAVE client) over OnGo and WiFi
Cloud based Portal Device Management
Over the Air Programmable
High Fidelity Wideband Audio
WiFi 2.4 GHz and 5 GHz compatible
Bluetooth Profiles HFP, SPP and BLE GATT support
GNSS Support - GLONASS/Galileo/BeiDou support
IP68 Rated
5" Ruggedized Display (Glove touch/wet)
Single Pin Locking Audio Interface (OPAI)
Micro USB Charging
Dual 3FF size Removable SIM card slots

Notes:
- Device is designed for use with WAVE OnCloud PTT Services

RESELLER PRICES

BAND	CHAN	MODEL	MODEL DESCRIPTION	MSRP
3.5 GHz	96	HK2136A	EVOLVE SMART HANDHELD WITH	$999.00
3.5 GHz	96	HK2156A	EVOLVE SMART HANDHELD WITH HIGH	$1,079.00

FCC INFORMATION: **AZ489FT7134**

Options: TO COMPLETE AN ORDER YOU MUST SELECT ONE (1) CHOICE FOR EACH STEP

	MSRP

Nitro Sim Option: (Optional Selection)

QA07787AA   ADD: NITRO SIM CARD   0.00

* SIM CARD OPTION ONLY REQUIRED FOR OPERATION ON NITRO CBRS NETWORKS

Essential Repair Options: (Required Selection) TO COMPLETE AN ORDER YOU MUST CHOOSE ONE (1) OPTION

EVOLVE portables require purchase of either Standard Essential 3-Year Software and Repair option covering parts and labor warranty or Essential with Accidental Damage to add coverage for ac
breakage and liquid damage.

STDESS0845AA   3 Year Essential Service $58.33
QA08142AA   ENH: 3Y ESSENTIAL W ACCIDENT DAMAGE $88.33
               Repair coverage is expanded to include chemical, liquid and physical damage for the 3 year term on your Motorola Solutions portable or mobile
               subscriber radio. Essential with Accidental Damage starts upon purchase. Repairs will be made at the designated Motorola repair depot. Local
               pickup or repair charges are not included. Motorola Solutions will pay inbound shipping charges only with use of the Motorola Online return
               process. Motorola will pay outbound shipping charges via normal shipping methods. No discounts are allowed on this option.

Aftermarket Accessory:

		APC	MSRP
BT000592A01	BATT LIION 2900T	453	$88.20
BT000593A01	BATT LIION TIA4950 5800T	453	$176.40
PS000150A11	WALL CUBE,AC,DC,POWER SUPPLY WALL CUBE,AC,DC,7.5W,100V-240V,MICROUSB,US/JP	785	$27.00
HKLN5001A	COVER-DOOR,COVER-DOOR,BATTERY STD 2900 MAH	845	$24.00
HKLN5002A	COVER-DOOR,COVER-DOOR,BATTERY HIGH CAP 5800 MAH	845	$24.00
PMLN8254A	CARRY ACCESSORY-PLASTIC CARRY HOLSTER WITH 3" BELT CLIP	271	$38.88
PMMN4125B	AUDIO ACCESSORY-REMOTE SPEAKER MICROPHONE	372	$131.76
PMMN4127A	AUDIO ACCESSORY-OPERATIONAL CRITICAL WIRELESS REMOTE SPEAKER MIC WM500	372	$208.44
PMLN8123A	EP910W OPERATIONAL CRITICAL WIRELESS EARPIECE PTT	742	$81.00
PMLN8191A	AUDIO ACCESSORY-EARPIECE,1-WIRE ENH CLEAR TUBE EARPIECE, 2.5MM SINGLE PIN, ANGLED	742	$54.00
PMPN4564A	MULTI UNIT CHARGER DESKTOP EXT PS 100-240VAC US/NA	785	$540.00
PMPN4169A	CHGR VEHICULAR ADAPTER VPA	785	$70.20
PMLN7965B	3" BELT CLIP	271	$12.96
NTN8266B	BELT CLIP KIT (2.5")	271	$12.96
PMLN8092A	ACCESSORY KIT,ACOUSTIC TUBE WITH RUBBER EARBUD, REPLACEMENT KIT	742	$12.96
PMLN8298A	WP300 WIRELESS BLUETOOTH CONTROL PUSH-TO-TALK POD	372	$115.00
PMLN8401A	WP300 WIRELESS BLUETOOTH PUSH-TO-TALK POD WITH TRANSLUCENT TUBE EARPIECE	372	$150.00
PMLN8332A	VEHICLE MOUNT FOR WP300	742	$30.00

SLN 1000 Portable

3.5 GHz Band OnGo

Standard Package Includes:

Key Features

- Standard Charger - Micro-USB Wall Charger (PS000150A11)
- LTE Stubby Antenna (HKAN4004A)
- Swivel Carry Holster (PMLN7932)
- Battery Door Cover (HKLN4678)
- 3 Year Essential Repair

Key

Purpose Built for OnGo 3.5 GHz Network Operation

PTT Voice (WAVE client) over OnGo and WiFi

Cloud based Portal Device Management

Over the Air Programmable

High Fidelity Wideband Audio

WiFi 2.4 GHz and 5 GHz compatible

Bluetooth Profiles HFP, SPP and BLE GATT support

GNSS Support - GLONASS/Galileo/BeiDou support

IP54 Rated (Dust and blowing rain)

Dot Matrix Active View Display

Single Pin Audio Interface (OPAI)

Micro USB Charging

3FF size Removable SIM card slot

Notes:

- Device is designed for use with WAVE OnCloud PTT Services
- For Nitro Network Connectivity, Motorola Solutions Profile SIM must be purchased separately

BAND	MODEL	MODEL DESCRIPTION	MSRP			
3.5 GHZ	HK212	LN 1000 TWO-WAY RADIO	$583.33			

FCC INFORMATION: AZ489FT7123

Options: TO COMPLETE AN ORDER YOU MUST SELECT ONE (1) CHOICE

The SLN

	MSRP

Essential Repair Options:

STDESS0436A 3 Year Essential Repair	N/C
QA0436AA ADD: 3 Year Accidental Damage Repair	$105.00

Nitro Sim Option: (Optional Selection)

QA07787AA ADD: NITRO SIM CARD	$0.00

* SIM CARD OPTION ONLY REQUIRED FOR OPERATION ON NITRO CBRS NETWORKS

SLN 1000 ACCESSORIES

RESELLER PRICES

MODEL NUMBER	DESCRIPTION	MSRP
Antenna		
HKAN4004A	Stubby LTE	$25.70
Battery		
PMNN4578A	Li-Ion 2500T Battery	$66.00
Carry Solutions		
PMLN7932A	Swivel Carry Holster	$12.50
PMLN7128A	Belt Clip (Heavy-Duty)	$11.50
PMLN6074A	Nylon Wrist Strap	$9.00
Chargers and Power Adapters		
PS000150A11	Level 6 Micro USB Wall Charger	$25.00
PMLN7101A	MUC Charger US/NA	$225.00
PMLN7109A	SUC Charger US/NA	$45.00
Audio Accessories		
PMLN7189A	Swivel Earpiece, In-Line Mic & PTT	$29.00
PMLN7156A	Earbud with In-Line Mic/PTT, Mag One	$20.00
PMLN7157A	2-Wire with Translucent Tube, Black	$43.00
PMLN7158A	One-Wire Surveillance Earpiece, In-Line Mic & PT	$40.00
PMLN7159A	Adjustable D-Style Earpiece, In-Line Mic & PTT	$43.00
Miscellaneous		
HKLN4678A	Battery Door	$24.00
5080384F72	Replacement Foam Plug-Ins	$116.50
RLN6242A	Quick Disconnect Acoustic Tube	$7.90
RLN6282	Replacement Ear Tips, Pack of 50	$45.25