

SLX SERIES

CITIZENS BROADBAND RADIO SERVICE DEVICES (CBSDs)

Don't bring consumer broadband to a commercial site. Get lightning-fast, enterprise-grade broadband data flowing securely across every level of your operation with Nitro.

EXPERIENCE A FIRST

Take full control over your communications network and unlock advanced capabilities with Nitro — the first fully managed platform that combines business-critical voice with private broadband data, enabling a unified, seamless, hassle-free operation.

ENTERPRISE-GRADE PRIVATE BROADBAND

Nitro offers broadband data speeds, so your teams can share information quickly and efficiently. And with up to four times the range* of Wi-Fi, your people will be able to access the network from virtually anywhere on-site, using far fewer access points — whether they're on densely-packed factory floors, at busy airports or by the loading dock.

Nitro also has twice the capacity* of Wi-Fi, so you'll be able to add more devices to the network without being constrained by low bandwidth or slow speeds. You'll also be able to free your Wi-Fi for other purposes, like increased or enhanced guest access.

Product Highlights

- OnGo 3.5 GHz network compatible
- Simple management through the Nitro Cloud Portal
- 4G LTE data speeds
- Simple deployment and installation
- Dual Carrier for enhanced capacity and performance
- Enhanced security with IPsec tunneling
- Web-based management and control
 - Provision all infrastructure components (CBSDs, network hardware)
 - Register SIMs and radios; set up users and talkgroups
 - Fault manage and track network health status
 - Analyze data usage across the network
 - Create and manage portal accounts
 - Manage billing and subscription information

*Based on 802.11a standard for 5.0 GHz Wi-Fi using similar channel bandwidths.



SLX SERIES CBSDs



GENERAL SPECIFICATIONS

	SLX 2000	SLX 4000	SLX 5000
Environment	Indoor CAT-A	Outdoor CAT-B	Outdoor CAT-B
Band	B48 (CBRS) 3550 - 3700 MHz		
TxRx Paths	2x 2T2R (2x2 MIMO)		
Carrier Configuration	Single or Dual Carrier contiguous / non-contiguous 2x2, 2CA		
Backhaul	Copper Gb Ethernet / SFP	Copper Gb Ethernet	Copper Gb Ethernet / SFP
Mounting	Wall / Ceiling	Wall / Pole	Wall / Pole
Max Tx power per port	4 ports x 25 dBm		4 ports x 33 dBm (4 x 2 W) ¹
Antenna	Integrated 8dBi Directional 65 (H) x 60 (V)	External (N-Type Female Connector)	Integrated 17dBi Directional Beamwidth Azimuth: 65° Elevation: 8° Option for External (N-Type Female Connector)
Channel Size / Max Channel BW	10 or 20 MHz / 2 x 20MHz (40 MHz)		
Modulation	DL: 256 QAM UL: 64 QAM		
Max Active Users (RRC Connected)	128 per CBSD (256) ²		
Synchronization	IEEE1588 / GPS		
Power Source	12 VDC / PoE++ (802.3bt class6)	- 48 VDC	
Nominal Power Consumption	32W	40W	65W
Weight	4.4 lbs	8.8 lbs	17.6 lbs (with integrated antenna)
Dimensions (W x L x H)	250 x 250 x 60 mm	220 x 220 x 150 mm	280 x 500 x 125 mm
Operating Temperature Range	-5°C to +40°C	-40°C to +55°C	
Ruggedness	IP40	IP66	
Compliance	3GPP TS 36.104 FCC Parts 96, 15 RoHS6 OnGo™ ³		

¹ Max EIRP of CAT-B CBSD

² Future capability

³ In progress for SLX 5000



For more information, please visit us at www.motorolasolutions.com/Nitro
or to manage your network, please visit www.motorolasolutions.com/ActivateNitro

