

S2 NetBox *Extreme*™

Application Information for Version 4.1

Feature Summary

- Web-based - a web browser is all that is needed
- Zero footprint - no software to install on any device or computer
- Solid state - no moving parts for extreme longevity
- High performance - 10 eps supports up to 256 readers
- Low power Intel Atom processor and solid state disk (SSD)
- Available in wall mount and 2U rack mount enclosures
- Onboard disk storage of 8GB (standard), 64GB (optional)
- Auto-ranging 60W integrated power supply
- Automated data backup to NAS device or FTP server
- ODBC-accessible database and XML-based API provided
- Supports standard S2 Network Nodes and S2 MicroNodes
- Easy retrofit from existing S2 NetBox systems
- Simple upgrade to S2 Enterprise for systems requiring more capacity
- Integrated complete online documentation library

Overview

The S2 NetBox *Extreme* is a next generation network controller for S2 NetBox systems. Made possible by Intel's new line of Atom processor coupled with solid state disk (SSD) technology, the S2 NetBox *Extreme* delivers approximately 8 times the application power of the S2 Network Controller used in the Model 100, 200, and 300 systems. This makes the *Extreme* ideal for use in access control and integrated video applications up to 256 card readers.

As with all S2 NetBox systems, the *Extreme* is a solid state network appliance. Its only connections are to mains voltage power and the IP network. It has no moving parts, and cooling is achieved using conduction through the unit's aluminum enclosure. There is no software to install on any client or server; a common web browser is all that is required to operate the system. Most popular web browsers can be used, making the system accessible to all users, regardless of operating system, whether local or remote, whether running a PC, Macintosh, or Sun workstation.

Installation is truly plug-and-play. Simply power up the S2 NetBox *Extreme* system unit, assign an IP address, and begin operation. The system automatically recognizes S2 Network Nodes, MicroNodes and application blades. Network connection is via LAN, WAN, or the public Internet. Setup could not be easier: graphical displays help you configure your system with point and click simplicity.

Two storage options are available for the S2 NetBox *Extreme*: the standard 8GB SSD is ideal for most applications where historical data is periodically archived. In cases where it is desirable to keep a deep archive of historical data on the system, the optional 64 GB SSD can be ordered. Two mounting solutions are available: the standard wall mount and the 2U rack mount.



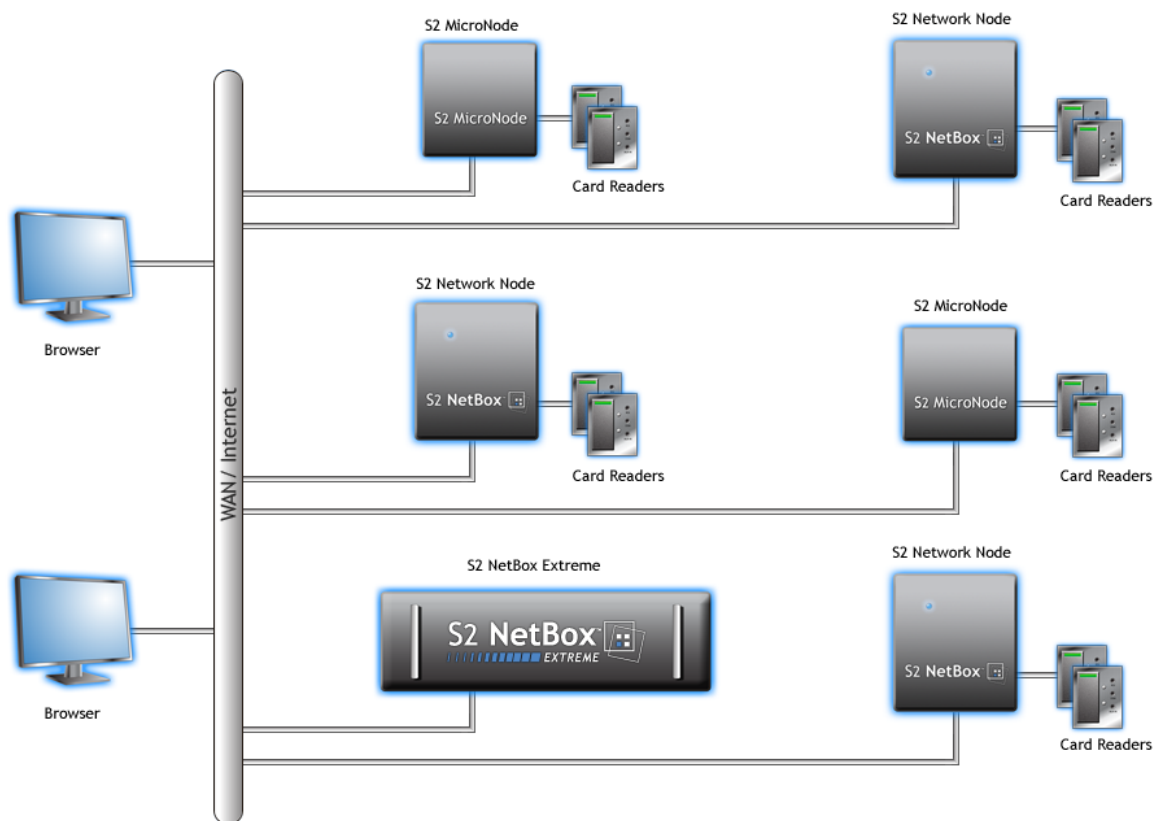
S2 NetBox Extreme is offered in wall mount or 2U rack mount enclosures.

Beyond its increased speed, capacity, and new technology, S2 NetBox *Extreme* includes advanced capabilities that support your scaled environment. New software is easily loaded and automatically distributed throughout system components over the network with a single command. Other system tasks such as database maintenance and even data backups happen automatically.

The *Extreme* follows the S2 strategy of *making obsolescence obsolete*. Migration from smaller S2 NetBox systems is as simple as restoring a backup, allowing systems to grow as requirements evolve, without the need to ever purchase more capability than necessary.



Schematic S2 NetBox Extreme



Specifications

Physical	Dimensions	12" w x 14" h x 3.5" d (wall), 2U (rack)
	Weight	7.0 lb
	Power	85 - 260 VAC, 10 W (2A @ 120 VAC)
	Heat output	82 BTU
Platform	Processor	1.6 GHz Intel Atom
	RAM memory	1 GB
	Storage	8GB SSD, optional 64 GB SSD
	MTBF	117,000 hours
Environmental	Operating temperature	0°C - 35°C
	Storage temperature	-20°C - 70°C
	Relative humidity	95% at 40°C non-condensing
Certifications	Electrical	CE, FCC Part 15
	Environmental	RoHS, WEEE
Application features	Capacity rating	10 eps
	Portals (Nodes) supported	256 (64)
	Inputs (outputs) supported	2,000 (2,000)
	Online historical transactions	40,000,000
	Simultaneous users	10

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