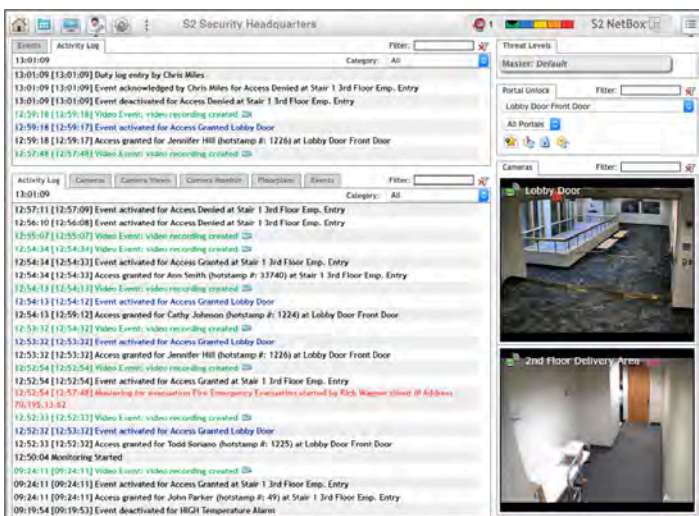# S2 MicroNode™ Plus

Overview

S2 MicroNode Plus is a compact, intelligent field panel that handles distributed processing for S2 NetBox® access control and event monitoring systems. Access control and events from connected devices are aggregated to the S2 NetBox web interface for centralized system management.

S2 MicroNode Plus supports up to two portals, four relay outputs with wet/dry selection, four inputs with programmable levels of supervision, and one temperature input. The 12VDC auxiliary output can power devices such as a PIR Request to Exit input or an alarm sounder.

Designed for localized access control and event monitoring, S2 MicroNode Plus is also an ideal retrofit solution. The seamless upgrade from legacy two-reader panels to S2 MicroNode Plus can be made without replacing readers, inputs or lock outputs.

Access control and event monitoring for connected devices are aggregated to the S2 NetBox web interface.
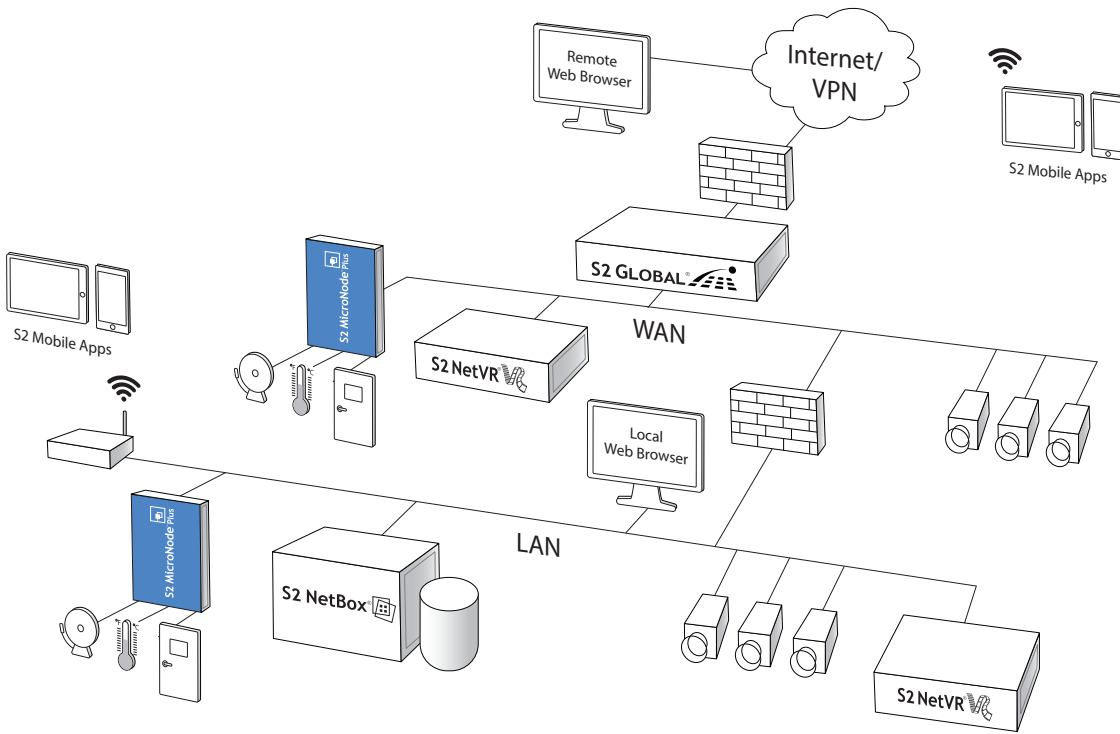
Key Features

Access Control

- **Reader Support**: Interfaces with Wiegand, magnetic stripe and keypad reader technologies
- **Input/Output Assignment**: Enables assignment of four input and four output relays to control doors and other end point devices
- **Temperature Input**: Includes one analog temperature input
- **Retrofit Solution**: Replaces legacy two-reader panels without requiring new readers, inputs or lock outputs

System

- **S2 System Node**: Handles distributed access control and event monitoring
- **Offline Availability**: Maintains access control capabilities even when connectivity to the S2 controller is lost
- **Intuitive Configuration**: Utilizes embedded web interface for initial setup
- **Automatic Discovery**: Automatically connects to and authenticates with the S2 controller upon configuration
- **Power Options**: Offers Power over Ethernet Plus, Power over Ethernet, or standard 12VDC power

Schematic only. Not a network diagram.

Specifications – S2 MicroNode Plus

Access Control	
Portals	2
Access Levels	512
Supervised Inputs	4
Relay Outputs	4; 2 wet / dry selectable
Temperature Inputs	1
Credential Storage	150,000
Buffered Transactions	800,000
Client Requirements	
Operating System	Windows 7, 32-bit or 64-bit
Browser	Chrome, Internet Explorer, Firefox and Safari*
Processor	Intel Core i3 or higher
Memory (RAM)	4GB
Hard Drive	100GB minimum
General	
Processor	TI AM3352 ARM
Memory (RAM)	512MB SDRAM
Operating System	Linux
Ethernet Ports	1
MTBF	297,000 hrs

General (continued)	
Chassis	Wall or ceiling mount
Dimensions (H, W, D)	11.34in x 8.0in x 2.57in (28.77cm x 20.32cm x 6.53cm)
Weight	3.2 lbs (1.45 kg)
Operating Temperature	32° – 95° F (0° – 35° C)
Storage Temperature	-4° – 158°F (-20° – 70°C)
Input Power	12VDC 5A, PoE (802.3af) and PoE Plus (802.3at)
Output Power	*12VDC 5A*: 2000mA (24 watts) @ 12VDC *PoE*: 500mA (6 watts) @ 12VDC *PoE Plus*: 1000mA (12 watts) @ 12VDC
BTU Maximum	204 per hour
Commissioning	Web configuration utility
Regulatory Approvals	UL, CE, FCC, RoHS
Warranty	2 years, hardware; 1 year, software

Part Numbers
S2-MNP

*Refer to the latest Release Notes for browser version compatibility.

For more information, please visit www.s2sys.com.

S2 SECURITY