



# MicroNode Plus

## Overview

The MicroNode™ Plus intelligent field panel handles distributed processing for Elements Cloud access control systems. Access control and events from connected devices are aggregated to the Elements web interface for centralized system management and control.

The MicroNode Plus controller supports up to two portals, four relay outputs with wet/dry selection and four supervised inputs. The 12VDC auxiliary output can power devices such as a Request to Exit device or an alarm sounder.

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

## Key Features

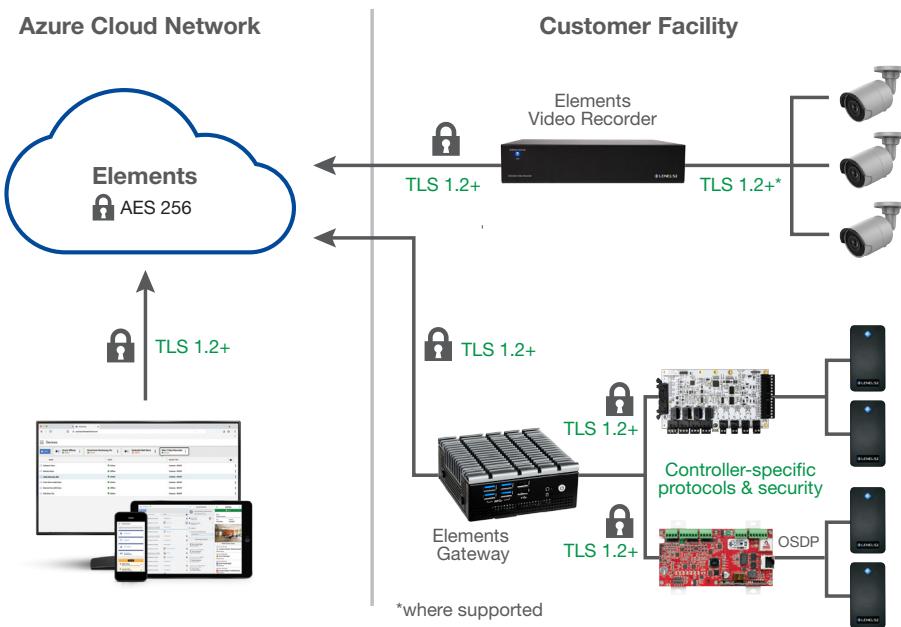
### Access Control

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

### System

- **LenelS2 System Node:** Handles distributed access control and event monitoring
- **Offline Availability:** Maintains access control capabilities even when connectivity to the Elements system is lost
- **Intuitive Configuration:** Utilizes embedded web interface for initial setup
- **Power Options:** Offers PoE Plus, PoE or 12VDC 5A power





## Specifications – MicroNode Plus

Access Control	
Readers	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
Hardware	
Processor	TI AM3352 ARM
Memory (RAM)	512MB SDRAM
Operating System	Linux
Ethernet Ports	1
MTBF	297,000 hrs
Chassis	Wall or ceiling mount
Dimensions (H, W, D)	11.34in x 8.0in x 2.57in (288mm x 203mm x 65mm)
Weight	3.2 lbs (1.45 kg)
Operating Temperature	32° – 95° F (0° – 35° C)
Storage Temperature	-4° – 158°F (-20° – 70°C)

Hardware (continued)	
Input Power	PoE Plus, PoE, 12VDC 5A
Output Power	PoE Plus: 1000mA (12 watts) @ 12VDC PoE: 500mA (6 watts) @ 12VDC 12VDC 5A: 2000mA (24 watts) @ 12VDC
BTU Maximum	204 per hour
Commissioning	Web configuration utility
Regulatory Approvals	UL, CE, FCC, RoHS
Part Numbers	
S2-MNP	MicroNode Plus panel



For more information, please visit [lenels2.com](http://lenels2.com).

Specifications subject to change without notice.

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