



AP400  
SNMP ALARM PANEL

## OPTIMA AP-400 SNMP ALARM DISPLAY PANEL

The Optima AP-400 is an intelligent, compact, Power-over-Ethernet (PoE) annunciator panel engineered to provide real-time, high-visibility situational awareness for critical network infrastructure. Featuring a vibrant, 4-inch square multi-touch IPS display running a local-first embedded interface, the AP-400 serves as a dedicated hardware command outpost for telecom hubs, data centers, and unmanned remote sites. By operating completely independently of cloud dependencies, it ensures absolute data sovereignty and local-first reliability.

### KEY FEATURES

**Autonomous SNMP Triage Engine:** Eliminates the need for constant dashboard polling. The AP-400 sits directly on your local Ethernet network, listening for incoming SNMP Trap PDUs from up to 8 remote telemetry units (RTUs), processing and categorizing up to 2,000 concurrent alarms instantly.

**Dynamic Risk-Scoring Matrix:** Features an advanced triage calculation algorithm that evaluates real-time risk based on alarm severity and outage duration. Critical outages are prioritized automatically, tracking site health via an integrated visual urgency bar that hits 100% when a critical failure remains unaddressed for 2 hours.

**Industrial Touch Interface with Modern Design:** Built on a zero-latency hardware graphics pipeline, the 720x720 multi-touch screen employs a sleek, glassmorphic layout. Operators can fluidly drill down into comprehensive alarm summaries, toggle per-severity filters, and modify community strings or network profiles on the fly.

**High-Output Audible Annunciation:** Features a 2W internal audio transducer to ensure operators are alerted immediately when critical events hit the queue, utilizing distinct high- and low-pitch frequency patterns to differentiate between cleared zones and active faults.

**Seamless, Ruggedized Deployment:** Designed with a space-saving wedge chassis, the unit fits perfectly onto desktops or mounts cleanly to standard electrical wall boxes. With native Class 2 PoE support, power and 10/100 Fast Ethernet data are carried over a single CAT5 cable, keeping deployment footprints minimal.

## TYPICAL APPLICATIONS

**Telecom Central Offices & Unmanned Shelters:** Provides an immediate, physical warning system for remote engineering teams tracking environmental faults, generator statuses, or fiber breakages mapped by onsite T:LAN RTUs.

**Network Operations Centers (NOC):** Functions as a dedicated, line-of-sight desktop terminal alongside massive monitoring arrays, ensuring tier-1 engineers isolate critical infrastructure metrics instantly without searching through dense application windows.

**Industrial Facility Control Rooms:** Monitors localized automation hardware, mechanical faults, and power distribution parameters across segmented operational technology (OT) networks safely and reliably.

## PHYSICAL

Dimensions (HxWxD)	89mm x 89mm x 54mm (Wedge-shaped chassis), (3.5" x 3.5" x 2.1")
Weight	150g (0.33 lbs)
Mounting	Wall mount or Desktop orientation

## POWER

Input Requirements	PoE IEEE 802.3af (Class 2 alternative power mapping)
Power Consumption	1.5W (Minimum / Idle) to 5.0W (Maximum audio/backlight load)
Interface Connector	Integrated into Ethernet jack (RJ45)

## ENVIRONMENTAL

Operating Temp	0 °C to +50 °C (32 °F to 122 °F)
Storage Temp	-20 °C to +70 °C (-4 °F to 158 °F)
Humidity Limits	Up to 80% relative humidity (non-condensing)

## INTERFACE & CONNECTIVITY

Network Type	10/100 Mbps Fast Ethernet Port with Native PoE Extraction
Connector Physical	Standard Shielded RJ45
Recommended Wiring	Category 5 (CAT5e) or better twisted-pair cabling

## ALARMS PROCESSING

Protocols Support	SNMPv1/v2c (Autonomous Traps & Reliable InformRequests)
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Transaction Core	Automated Application-Layer GetResponse (ACK) Generation
Network Stack	UDP/IP (IPv4), DHCP Client, SNTP Network Uptime Sync
Site Capacity	Monitors up to 8 distinct T:LAN RTU Telemetry Nodes
Alarm Capacity	Tracks up to 250 active sub-zone alarms per individual site
Real-Time Filters	Per-Severity Categorization (CRITICAL, MAJOR, MINOR, WARNING, INFO)
Sorting Engine	Highest Severity Triage Core / Most Recent Active Stack Matrix
Triage Metrics	Leader Site Risk, Cumulative Duration, Real-Time Urgency Score
Triage Calculation	Exponential risk score optimization, 1 x CRITICAL outage for 2h = 100% Urgency

## USER INTERFACE

Display Technology	4.0-Inch High-Fidelity IPS Capacitive Multi-Touch Screen Panel
Display Resolution	720 x 720 true pixels, Full 16-Bit Color Space
UI Framework	High-Performance Local-First Glassmorphic Embedded Layout Engine

## AUDIO INTERFACE

Internal Speaker	2W High-Output Internal Audio Transducer
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## ORDERING INFORMATION

Product SKU	1014-A011004A
Product Description	Optima AP-400 SNMP Alarm Display Panel



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4000-B940004A

Printed in Canada