The PACOM 8501 Input Output (I/O) Module is built using PACOM-Edge technology. PACOM-Edge represents a new family of devices enabling advanced security capabilities across an organization’s Ethernet backbone. The IP capability means there is a reduced need for traditional security cabling which ensures convenient deployment and extensive scalability.

The 8501 I/O provides a native connection for up to 16 supervised alarm inputs, 2 relay driven outputs and 3 general purpose open collector type outputs. In addition, to these onboard connections, the capacity of the 8501 can be easily expanded by accommodating up to 4 PACOM 8000 series expansion cards, enabling customization to meet a wider range of applications. The expansion cards can be easily mix-n-matched to increase the input/output capacity of one 8501 module in the following combinations:

- 48-inputs & 5-outputs
- 40-inputs & 9-outputs
- 32-inputs & 13-outputs
- 24-inputs & 17-outputs
- 16-inputs & 21-outputs

The 8501 has also been specifically engineered so that it can be conveniently installed in any location rated for a 3U rack mount device.

The PACOM 8501 Input/Output Module is an IP device that enables intrusion detection using an organization’s existing Ethernet network.
ARCHITECTURE

TECHNICAL SPECIFICATIONS

ELECTRICAL

Input Voltage
8501R-001-UL: 9 to 16VDC (can be supplied through an attached controller or external power supply)
8501R-001: 9 to 40VDC

Current Consumption
200mA @ 12VDC typical, excluding attached devices. 100mA maximum with all alarm conditions present and all outputs active etc.

ENVIRONMENTAL

Operating Temperature
EU: -10 to +55°C (14 to 131°F)
UL: -10 to +55°C (14 to 131°F)

Maximum Humidity
93% (non-condensing) @ 40°C (104°F)

PHYSICAL

Dimensions
160 x 100 x 40mm (6.3 x 3.9 x 1.6”)

Packed Weight
175g (6.2oz)

COMMUNICATIONS

Connection
RS485 (2 wire)
Ethernet (IP)
USB (micro-USB-type connector)

SIGNALLING

Input
16 x supervised (10kΩ EOL resistance standard. Can be programmed for any value between 1kΩ and 100kΩ).

Output
2 x relay controlled (1.0A @ 30VDC contacts when powered from external power supply)
3 x open emitter, transistor controlled (150mA @ 12VDC when powered by controller)

MISCELLANEOUS

Expansion Card Connection
2 x 20-pin (suitable for 8000 Series Expansion Cards)

Indicators
13 status indicator LEDs
SUPPORTED 8000 SERIES EXPANSION BOARDS

- 8203 4-Output Expansion Module
- 8204 8-Input Expansion Module

COMPLIANCE & ACCREDITATION

RoHS, RoHS 7C3, China RoHS
Safety approved to CE
CE, C-Tick, FCC comply with part 15
Safety approved to CE
EMC

UL/ULC/ ANSI
Control Panel Standard – Features for False Alarm Reduction - ANSI/SIA CP-01-2010

ORDERING INFORMATION

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<th>PART NUMBER</th>
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<tr>
<td>300 046 001</td>
<td>8501R-001</td>
<td>8501 16-In/5-Out Remote Ethernet-enabled I/O Expansion Module (PCB only) Supports 2 of the PACOM 8000 Series On-Board Expansion Modules.</td>
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<tr>
<td>300 046 101</td>
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