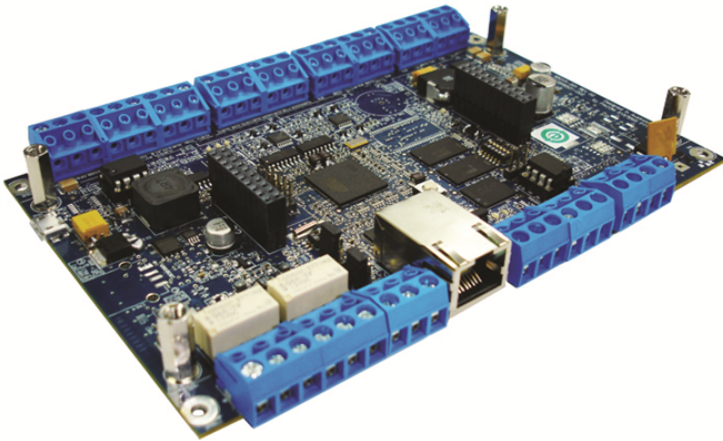




DATASHEET

8501 INPUT/OUTPUT MODULE



MAIN FEATURES

- ▶ On-board Ethernet
- ▶ Standard 3U rack mount size
- ▶ Support for up to 48 inputs and 21 Outputs
- ▶ 16 on-board supervised alarm inputs
- ▶ 5 on-board output connections (2 x relay, 3 x open collector)
- ▶ Ability to increase capacity through expansion cards
- ▶ Dedicated tamper input
- ▶ RS-485 communications with Controller
- ▶ Built-in web server to display status information
- ▶ Supports anti-masking and range reduction on alarm inputs

The 8501 Input/Output Module is an IP device that enables Intrusion Detection using an organization's existing Ethernet network.

PACOM 8501 INPUT/OUTPUT MODULE

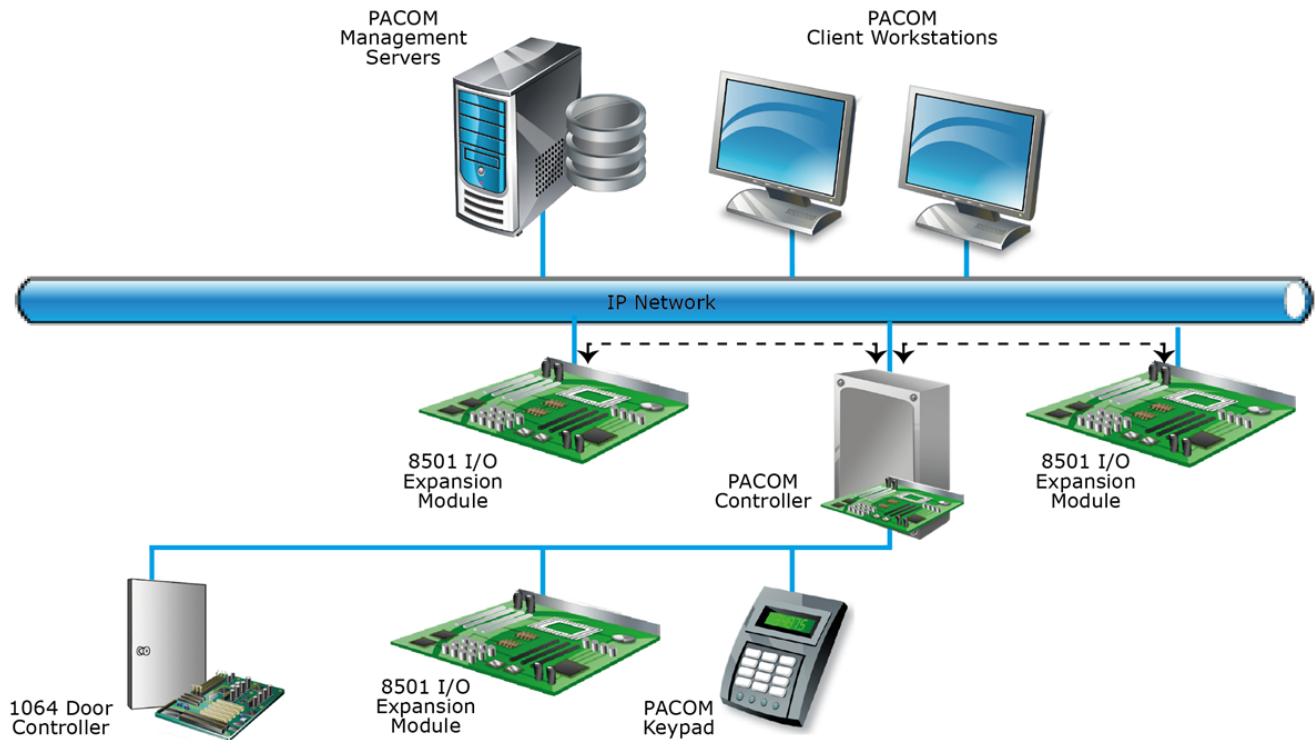
The 8501 Input/Output Module is built using PACOM edge technology. PACOM-edge represents a new family of devices enabling advanced security capabilities across an organization's Ethernet backbone. The IP capability means there is a reduced need for traditional security cabling which ensures convenient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

The 8501 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. This flexibility means that the 8501 can be tailored 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 8501 provides true Intrusion Detection capabilities with the flexibility to expand as your needs grow.



TECHNICAL SPECIFICATIONS

Dimensions	3U size (160mm W x 100mm H x 40mm D) (6.3" x 3.9" x 1.6")
Weight	150g (5.3oz)
Operating Environment	-10 to 50°C, 20-85% ±5% relative humidity (non-condensing) @ 30°C
Power Input	9-40V
Power Consumption	Typically 250mA @ 12VDC
Network Connectivity	UDP/IP via Ethernet Port 10/100 BaseT
Communications	RS-485 multi-drop device port to PACOM field controller
Inputs	16 end-of-line monitored inputs (default 10k). The inputs are programmable from 1k to 100k
Outputs	2 relay outputs (NO/NC) contact rating 2A @ 30VDC 3 open collector outputs (150mA @ 30VDC)
LEDs	Outputs <ul style="list-style-type: none"> • Ethernet (Connect speed and link status) • RS-485 Port (TX, RX, Termination)

SUPPORTED 8000 SERIES EXPANSION BOARDS

8203 4-Output Expansion Module

8204 8-Input Expansion Module

COMPLIANCE AND ACCREDITATION

RoHS,	RoHS, RoHS 7C3, China RoHS
Safety	Safety approved to CE
EMC	CE, C-Tick, FCC comply with part 15
EN	EN 50131-3:2009 in conjunction with EN 50131-1:2006/A1:2009 EN 50131-6:2008/A1:2014 EN 50130-4:2011/A1:2014 EN 50130-5:2011 EN 50131-10:2014 EN 50136-2:2013 in conjunction with EN 50136-1:2012
UL/ULC/ ANSI	ETL listed to the following standards: <ul style="list-style-type: none"> • UL Standard for Safety for Proprietary Burglar Alarm Units and Systems, UL 1076, Fifth Edition, Dated September 29, 1995, Revised September 10, 2010; • Proprietary Burglar Alarm Units and Systems, ULC/ ORD-C1076-M1986 First Edition, September 1986; • UL Standard for Safety for Central- Station Burglar- Alarm Units, UL 1610, Third Edition, Dated October 26, 1998, Revised September 10, 2010; • Signal Receiving Centre and Premise Burglar Alarm Control Units, ULC S304-06, Second Edition, July 2006 • Control Panel Standard – Features for False Alarm Reduction - ANSI/SIA CP-01-2010

ORDERING INFORMATION

PART NUMBER	TYPE CODE	DESCRIPTION
300 046 001	8501R-001	8501 16In/5Out Remote Ethernet-enabled I/O Expansion Module (PCB only). Supports two (2) of the Pacom 8000 Series On-board Expansion Modules.
300 046 101	8501R-001-UL	8501 16In/5Out Remote Ethernet-enabled I/O Expansion Module (PCB only). Supports two (2) of the Pacom 8000 Series On-board Expansion Modules.
300 046 110	8501R-ENC00	8501 16In/5Out Remote Ethernet-enabled Expansion Module with Pacom Standard Enclosure.
300 046 111	8501R-ENC05	8501 16In/5Out Remote Ethernet-enabled Expansion Module with Pacom Standard Enclosure and 8305 standard power supply.
300 046 113	8501R-ENC	8501 16In/5Out Remote Ethernet-enabled Expansion Module with Enclosure and a Monitored Power Supply.
300 046 120	8501R-ENC00-UL	8501 16In/5Out Remote Ethernet-enabled Expansion Module with Pacom Standard Large Enclosure.
300 046 121	8501R-ENC05-UL	8501 16In/5Out Remote Ethernet-enabled Expansion Module with Pacom Standard Large Enclosure and 8305 standard power supply.