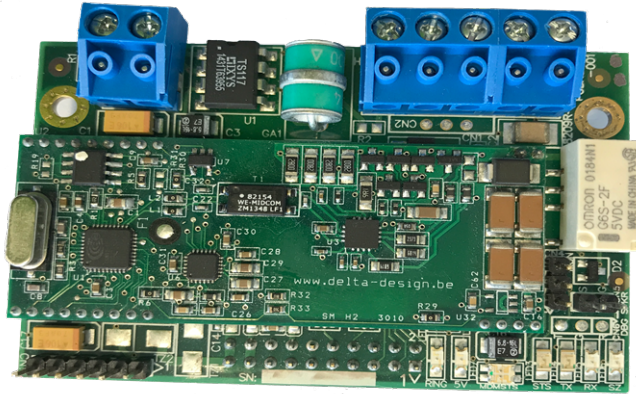


DATASHEET

8209 PSTN MODEM EXPANSION MODULE



MAIN FEATURES

- ▶ Enables Public Switched Telephone Network (PSTN) dial-up backup controller communications
- ▶ Communications for alarm monitoring, access control operations and system management
- ▶ Minimal bandwidth consumption
- ▶ Compatible with PACOM 8001/8002 and 8003 controllers
- ▶ Can be used with PACOM EMCS, GMS, Base Station and TransIT
- ▶ Supports Contact ID (CID) and Security Industry Association (SIA) messaging formats
- ▶ Listen-in operation
- ▶ LEDs for easy trouble-shooting and diagnostics
- ▶ Mode 3 compatibility

The 8209 PSTN Modem Expansion Module plugs into any of the expansion slots on the 8000 series PACOM Controller to provide backup connectivity using a standard telephone line.

8209 PSTN MODEM EXPANSION MODULE

The PACOM 8209 PSTN Modem Expansion Module is designed to provide a backup communications option for the 8000 series PACOM controllers across a PSTN line.

Quickly configure any PACOM controller to use an 8209 Modem:

- ensuring that important alarms, card activity and other status changes are reported in a timely fashion, even if other forms of communication become unavailable.
- providing a secondary or tertiary form of communications should the IP Ethernet or GPRS mobile network become unavailable.
- supporting advanced voice listen-in operation. (On receiving an alarm, the controller initiates a connection over the PSTN line to a GMS operator or digital receiver. This enables the operator to immediately listen to live sounds coming from the microphone connected to the 8209 Modem and verify the severity within seconds.)

The 8209 Modem supports a number of advanced dial-up features, including:

- mode 3 telephone line sharing to support phone calls and fax transmissions on the same line as the security controller.
- CID and SIA alarm messaging for central station receiver.

The 8209 Modem is the perfect solution for remote locations where a physical telephone line connection is installed and other forms of communications are unreliable.

TECHNICAL SPECIFICATIONS

Dimensions	76 x 50 x 18mm (3.0 x 2.0 x 0.7")
Weight	80g (2.8oz)
Status Indicator	Seven status indicator LEDs
Operating Environment	EU: -10 to +55°C (14 to 131°F) UL: 0 to +50°C (32 to 122°F) Maximum Humidity 85% (non-condensing) @ 30°C (86°F)
Input Voltage	12 to 15VDC
Current Consumption	40mA @ 12VDC typical 50mA maximum
Communication	Modem: V.21, Bell 212A/Bell 103, 1200bps with touch-tone and pulse dialing Messaging: SIA and Contact ID protocols, PACOM Proprietary Protocol, PACOM Open Protocol
Miscellaneous	"Listen-in" operation 3kV isolation

The 8209 PSTN Modem is an alternate solution to the 8202 PSTN Modem that is being phased out. The following table provides a comparison between the two models.

PARAMETERS	8202 PSTN MODEM	8209 PSTN MODEM
Controller Compatibility	8001, 8002 controllers	8001, 8002, 8003 controllers
Alarm Protocols	PACOM, Contact ID, SIA	PACOM, Contact ID, SIA
Baud rate	1200bps (fixed)	1200bps – 115,200bps (configurable)
Native EMCS Support	No	Yes
Compatible Controller Expansion Ports	Expansion port 1	Expansion ports 1, 2 & 3 (on 8002)
Mode 3 support	Yes	Yes
Listen-in Support	Yes	Yes
Line voltage detection	Yes	Yes
Dimensions (PCB)	76 x 50 x 18mm (3.0 x 2.0 x 0.7")	76 x 50 x 18mm (3.0 x 2.0 x 0.7")
Compliance / Approvals	ROHS, CE, C-Tick, A-Tick, FCC comply with part 15, part 68 UL/cUL 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	ROHS, CE, C-Tick, A-Tick, FCC comply with part 15, part 68 UL/cUL 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

ORDERING INFORMATION

PART NUMBER	TYPE CODE	DESCRIPTION
300 041 110	8209R-001-UL	8209 Modem Expansion Module