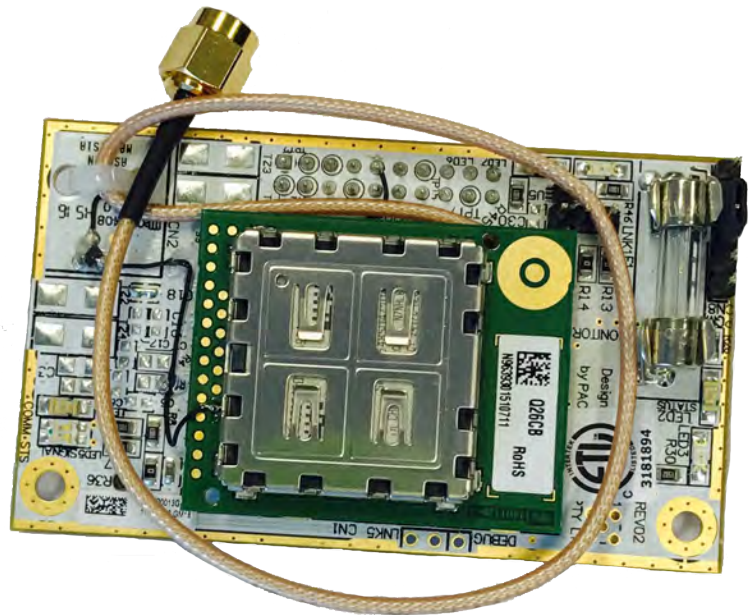


FEATURES

- ▶ Wireless communications for alarm monitoring, access control operations and system management
- ▶ Suits both primary and backup communication
- ▶ Multi-color LEDs for easy troubleshooting and diagnostics
- ▶ Includes enclosure mountable antenna that can be oriented for best possible signal strength
- ▶ Minimal bandwidth consumption
- ▶ Reduces fixed telephone line costs
- ▶ Remote configuration / firmware download
- ▶ Peer-to-peer connections



The PACOM 8201 3G Expansion Module is designed to provide wireless communication for PACOM sites across 3G mobile networks. Maintaining communications at all times, it automatically falls back to 2G mode should 3G become unavailable.

The 8201 3G module easily mounts on the 8002 and 8003 Controllers. Insert a SIM card to wirelessly send alarm and access control card data back and forth between the controller and monitoring center.

You can:

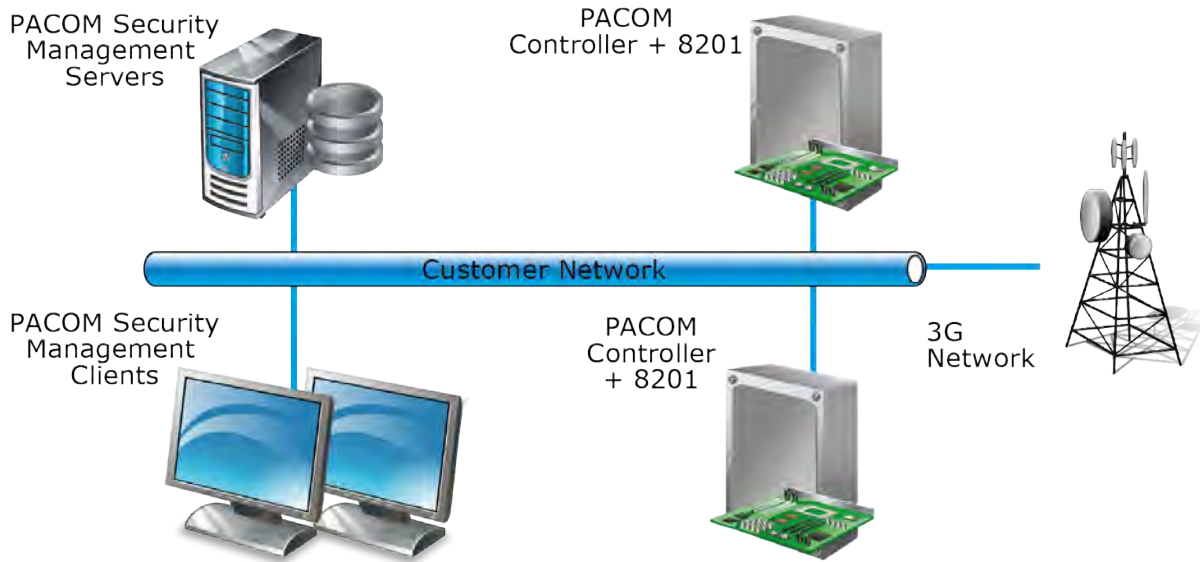
- set up a site quickly and use the module to ensure important alarms always arrive at the monitoring center.
- configure the module for secondary/tertiary communications, and it will be used automatically should primary channels become unavailable.
- orientate the enclosure mountable antenna (included) for the best possible signal strength.

It's the perfect solution:

- for remote sites where a physical telephone line connection is expensive or not feasible.
- as it allows the security communications infrastructure to be independent of other business critical functions at the site.

The PACOM 8201 3G Expansion Module enables bi-directional wireless communication between PACOM Management Software and 8002 and 8003 Controllers.

ARCHITECTURE



TECHNICAL SPECIFICATIONS

ELECTRICAL

Input Voltage	12 to 15VDC
Current Consumption	50mA when idle 250mA when connecting 425mA when transferring data All values are @ 3.6VDC (derived from 12VDC supply)
Fuse	F1 : 2.5A slow blow glass type 5 x 20mm (0.2 x 0.8")

ENVIRONMENTAL

Operating Temperature	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)

PHYSICAL

Dimensions	76 x 45 x 18mm (3.0 x 1.8 x 0.7")
Packed Weight	100g (3.5oz)

COMMUNICATION

Modem	Sierra Wireless HL8548
Network Connectivity	Quad-band GSM (850/900/1800/1900MHz) GSM/GPRS EDGE/E-GPRS 3G
Controller Expansion Slot	Use: <ul style="list-style-type: none"> • 1, 2 or 3 only on 8002 Controllers • Any slot on 8003 Controllers • EXP_A slot on 8220 only
SIM Interface	3V/1V8 SIM
Frequency	6.43dBi @ 850MHz 3.0dBi @ 1900MHz

MISCELLANEOUS

Indicators	6 status indicator LEDs
Antenna	250mm (10") long; enclosure mountable and can be oriented for signal strength
Antenna Cable	0.5m (19.7") long

BANDWIDTH AND DATA REQUIREMENTS

Site Traffic Assumptions
(Considered "high traffic")

Recommended Requirements
(Minimum)

- 30 alarms per day
- Access card badge (read) every 10 seconds
- Data speed: 64kB per second
- Bandwidth: 120MB per month

COMPLIANCE & ACCREDITATION

RoHS | China RoHS | GCF-CC | OTA | PTCRB | CE Safety | EMC: CE | C-Tick | FCC Part 15 | 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

United States Federal Communications Commission (FCC ID) - N7NHL8548

GSMA TAC Code - 014869

ORDERING INFORMATION

PART NUMBER	TYPE CODE	DESCRIPTION
300 041 111	8201R-001-3G	8201 3G Modem (includes antenna)