

Smart Modem Communication for the Industry and Energy market

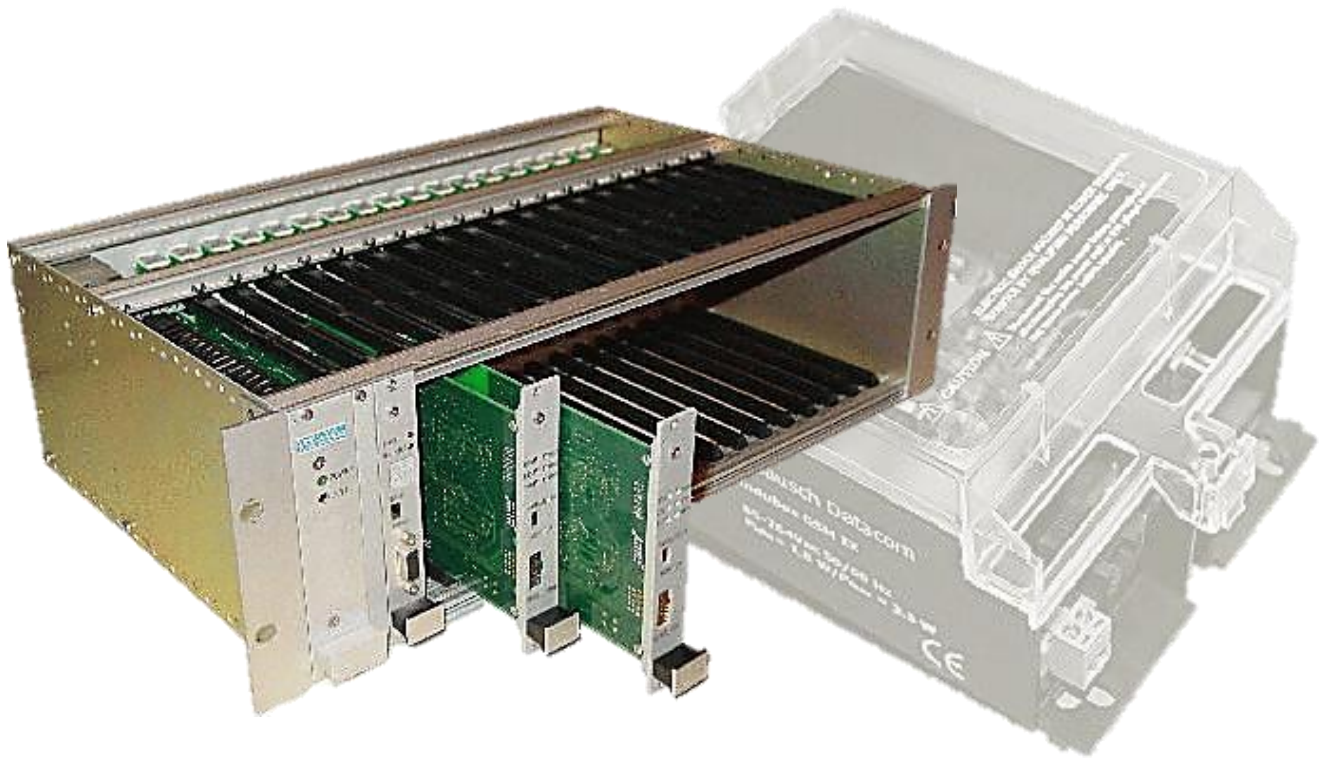
# Proxima GSM 19 inch rack

Industrial GSM rack

*Designed by Bausch Datacom!*

Bausch Datacom has developed a 19" GSM modem rack system based on the Proxima and Indubox modem technology. High performance and reliability are the key features of this modem technology. The development of GSM/GPRS Indubox Modems for the electricity market is our core business.

The Proxima GSM 19" rack system consists of max. 10 GSM modem rackcards, a 19" rack including power-supply, Antenna combiner, Antenna and a Terminal Server system for SNMP management. The typical application is a GSM dial-out (CSD data) concentrator for connecting GSM or PSTN modems in the field. The modems can be managed by a Digi Ethernet terminal server system using the SNMP protocol.



## Typical Applications

- ° GSM dial-out modem concentrator

## Product Highlights

- ° GSM CSD-data
- ° 19" rack
- ° SNMP Management

# BAUSCH DATACOM

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## Proxima GSM 19" rack specifications

### GSM/GPRS Rack

#### Power supply:

° 88 ~ 264VAC 125 ~ 373VDC

(Withstand 300VAC surge for 5sec. Without damage)

° 47 ~ 63Hz

#### Physical Characteristics:

° 19" Eurorack with backplane

° 1 to 10 GSM rack modem cards

° Height: 132 mm

° Width: 480 mm

° Depth 280 mm

° Weight: Approx. 7 kg with 10 modems

° Power and serial cables inc.

#### Environmental requirements:

° Temperature:

Operating 0°C-40°C : Non-operating: -20°C-80°C

° Humidity: 20% to 50% (non condensing)

### GSM/GPRS Antenna

° Connector: N-Female

° Gain: 9 dBi

° Max Power: 50Watt

° VSWR: < 2.0 Typical

° Impedance: 50 Ω

° Fixation: brace for wall

° Dimensions: 820mmxDiameterx16/19mm

° Temperature range: -35°C - 80°C

° Frequency: 800MHz LTE Low/868MHz Div/900MHz

GSM/GPRS/ 1800MHz GSM/GPRS/ 2100MHzUMTS

/2600MHz LTE High

° Antenna collector 10 to 1 port (1antenna for 10 GSM cards)

### GSM/GPRS Rackcard

° 19" eurocard format

° Based on Sierra Wireless Q24PL module with ARM7 processor

° Quad-band 850/900/1800/1900 MHz : worldwide operation

° GSM: CSD data

° Communication protocol: GPRS Class 10

° Open AT IDE: Open AT firmware version 6.57d

° Maximum power output: 2 W @ 900 MHz / 1 W @ 1800 MHz

° Circuit-switched 14.4 Kbps data and Group 3 FAX

° SMS support

° AT-command set support: more info, see manual below

° Asynchronous data up to 115.200 bps

° Flow control (RTS/CTS – XON/XOFF) and speed buffering

° Automatic format and speed (300 to 115.200 bps) sensing

### Terminal Server Management

° Dual IPv4/IPv6 stack

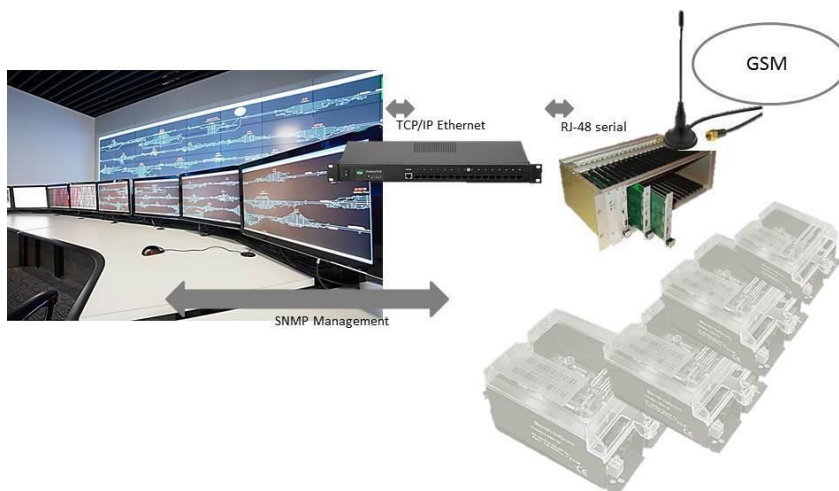
° SNMP management

° 8 or 16 serial ports with Tx/Rx LEDs

° Patented RealPort® technology for COM/TTY port control/ management

° SSL/TLS and SSHv2 for added security

° Easy configuration and management through web browser or CLI



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