

ATC-QCOMM

SERIAL MODEM SERVER

Applications

- Traffic Control Network Communications
- Traffic Controller Serial Expansion
- Remote Data Collection
- Field Master Multi-Protocol Communication Hub



Description

The ATC-QCOMM modem server has a single Ethernet port allowing it to use existing IP networks to bring Bell 202 communications closer to the source, often mitigating the need to lease lines from traditional suppliers. This device also works well in traditional closed loop traffic control systems and allows up to four independent communication lines capable of operating in a multi-drop environment. This will allow up to 32 different traffic signal controllers to be connected to a master, whether that master is located in the field or co-located in the central office.

The unit comes as a standard plug-in module for Luxcom's ATC³ Traffic Controller, or it can be installed in a small chassis, converting the unit into a stand-alone product.

Features

- Stand-alone unit or as a module for ATC³ chassis
- 10/100BASE Ethernet port for network connection
- Four independent modem ports on RJ-12 connectors
- Four Independent RS232 ports on EIA/TIA-
- Backplane network port for connection to ATC³ backplane
- Optional quad high speed RS232/485 ports
- Web server management port
- -40°C to 75°C operating temperature

Specifications

Network Port

Network port I/O levels	IEEE 802.3u compatible
Network connector	RJ-45

RS485 Ports

Number of RS-485 ports	4
RS485 data rate	DC to 200 Kbps
Data format	Half-duplex
RS-485 Connectors	RJ-12

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Specifications (cont.)

RS232 Ports

Number of RS-232 ports	4
RS232 data rate	DC to 200 Kbps
Data format	Full duplex
RS-232 Connectors	RJ-45

Modem Ports

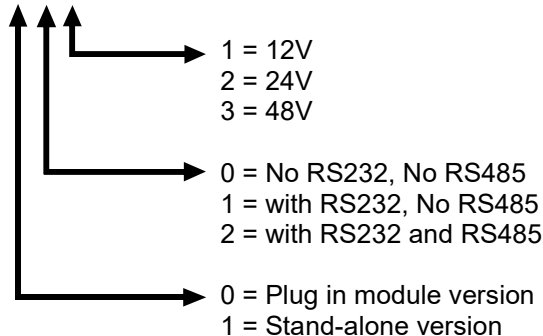
Number of modem ports	4
Compatibility	Bell 202
Configuration	2 Wire / 4 Wire
Data rate	1200 bps
Bell 202 modulation	FSK Mark 1200 Hz, Space 2200 Hz
Output Level	0 dBm, selectable to -31 dBm
Receiver Sensitivity	0 to -35 dBm
Data format	Full duplex, full duplex
Modem Connectors	RJ-12

General

Operating temperature	-40°C to 75°C
Humidity (RH)	10% to 95% non-condensing
MTBF	> 100,000 hrs
Dimensions (Stand-alone)	

Ordering Information

ATC-QCOMM-X-X-X



Accessories

Part Number	Description
LTIPS-12-1-U	12V power cube (100-240 V AC, 50-60 Hz input, 12V DC output)
LTIPS-24-0.5-U	24V power cube (100-240 V AC, 50-60 Hz input, 24V DC output)
LTIPS-48-25-U	48V power cube (100-240 V AC, 50-60 Hz input, 48V DC output)