



# Telenetics

Solutions for Utility and Industrial Automation  
SCADA applications including dial up and leased line modem  
**StarComm modems are now being made by Telenetics -**  
**"a world leader in industrial rated modems"**

jump to [Modem Manual](#) PDF file

jump to [DC power connections diagram](#)

**(NOTE power plug polarity - center pin is positive and the out side of 5.5 barrel connector is negative)**

**2-Wire, 4-Wire Leased Line, Synchronous or Asynchronous, Auto-baud or selectable formats and rates, AC DC Power, Hot/Cold Temperature Rated**

**V.34, V.32bis, V.32, V.22bis, V.22, V.23, V.21, BELL 212A, BELL 103J.**



## TELENTICS INDUSTRIAL MODEMS

Dial and Leased Line Operation  
AC DC powered

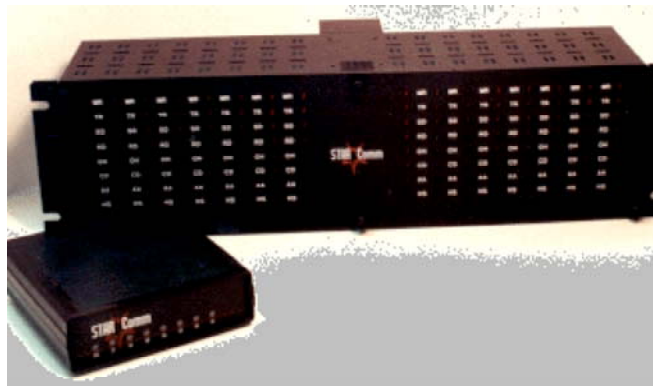
- AT COMMAND SET
- V.42/MNP 2-4 ERROR CORRECTION
- MNP 10 EXTENDED SERVICES
- V.42bis/MNP5 DATA COMPRESSION
- GROUP 3 (CLASS I & 2) FAX
- RS-232-C (V.24) TERMINAL INTERFACE

- ASYNC & SYNC DTE SUPPORT
- 2-WIRE LEASED LINE OPERATION
- 4-WIRE LEASED LINE OPERATION
- 2 OR 4-WIRE SHORT HAUL OPERATION
- AC OR DC POWERED
- NETWORK MANAGEMENT

A commitment to constant improvement keeps Telenetics communications products ahead of the industry in quality and performance. Our 33.6Kbps and 14.4Kbps models incorporate the latest advancements in modem design to deliver more performance, more features and higher reliability.

The 33.6Kbps models provide a complete implementation of the ITU-T V.34 standard for 33.6Kbps operation and our 14.4Kbps models comply with the, ITU-T V.32bis standard for 14.4Kbps operation. In addition, all models offer complete compatibility With older standards such as V.32 and V.22bis.

StarComm high-speed modems offer the features required for compatibility with a wide range of industry standard systems and software.



All models are available in our standard stand-alone or rack mount configurations:

## FEATURES AND SPECIFICATIONS

- **COMPATIBILITY** - V.34, V.32bis, V.32, V.22bis, V.22, V.23, V.21, BELL 212A, BELL 103J.
- **LINE TYPE** - Unconditioned lease line, 2 or 4 wire
- **DTE INTERFACE** - RS-232C (V.24). Female DB25, Synchronous or Asynchronous: Autobaud or selectable formats and rates to 11 5.2Kbps on 3342 models or 57.6Kbps on 1442 models.
- **AUTO DIAL MODES** - Standard Hays AT compatible dial commands or DTR dial of stored number.
- **ANSWER MODES** - Standard auto answer or manual answer under DTE control.
- **ERROR CORRECTION** - V.42 and MNP 2-4 error correction. MNP 10 extended cellular services.
- **DATA COMPRESSION** - V.42bis and MNP5 data compression.
- **CONFIGURATION CONTROL** - Standard AT commands.
- **DIAGNOSTICS** - V.54 through AT commands.
- **LINE INTERFACE:**
  - DIAL: 2-Wire Pulse or DTMF XMT level: 12dBm RCV sensitivity: -43dBm
  - 2-WIRE LEASED XMT level: Adjustable RCV sensitivity: -43dBm
  - 4-WIRE LEASED XMT level: Adjustable RCV sensitivity: -43dBm
  - \* May also be used in 2 or 4-wire short haul applications.
- **POWER (STAND-ALONE UNITS)** - Standard units automatically adjust to 9VAC or 9-14VDC. Power supply options: 5.5-14VDC, 18-125VDC, 66-220VAC.
- **POWER (RACK MOUNT)** - Standard CC-2016 rack automatically adjusts to 85-265VAC, 27-44OHZ. Optional DC supply automatically adjusts to positive or negative 26-75VDC

2-4 wire leased line operation, async-sync, AC or DC power, temp hot-cold rated MNP 10

Optional DC supply automatically adjusts to positive or negative 30-75VDC.

- **ENVIRONMENTAL** - Operating temperature range: -35C to +80C. Humidity: 90% non-condensing.
- **APPROVALS** - FCC Part 68 & Part 15, Class A. Optional: International approvals available.
- **PHYSICAL (STAND ALONE UNITS)** -Dimensions: 5.30"Lx5.05"Wx1.53"H. Weight: 12oz.
- **PHYSICAL (RACK MOUNT)** - Fits CC-2016 rack. 4.73"Lx4.60"Wx.80"H. Weight: 9oz.
- **UNLOADED LINES** 2-wire full or half duplex over an unloaded copper line  
(Cable Distances for point to point operations up to 7miles on 26 gauge wire  
8.3 miles on 19 gauge )
- **RACKS** - The CC-2016-XX Series of 16 Slot Rack Mount Enclosures  
These enclosures provide 16 modem slots in a standard 19 inch form factor which is 5 inches high and 6.5 inches in depth. The standard power system auto ranges from 85 to 265VAC with a frequency range of 27 - 440hz. An optional DC supply is also available for installations requiring operation on 36 - 75VDC. All rack configurations are designed for operation from -20C to +70C and offer a mean time between failure (MTBF) of 200,000 hours (22.8) years.
- **BRACKET** - 19 Inch Rack Mount Bracket For All Stand Alone Models
- This bracket provides mounting for three 5"x 5" stand alone modem or two 5" by 7" mufti-port modems within a standard 19 inch rack.
- **BRACKET** - 9 Inch Wall Mount Bracket For All Stand Alone Models
- This wall mount bracket may be attached to all 5" x 5" or 5" x 7" stand alone models.
- All StarComm and Telenetics products are made in the USA

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**V.32bis (14.4kbps) Data/Fax Modems** – All models offer an AT compatible command interface and support the following modulation standards: V.32bis, V.32, V.22bis, V.22, V.23, V.21, Bell

212A and Bell 103J. Both synchronous and asynchronous DTE are supported.

- 14.4EM-024-2 Stand alone, for 2-wire dial and 2-wire leased circuits. Power 18-125VDC, 66-220VAC.

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*RWay*