ST3342LP Series

For industrial networks, data centers and remote management applications that require high-speed connections, the Data Connect ST3342LP family of wireline data modems incorporate the latest advances in modem design to deliver efficient and reliable performance that is packaged for industrial and commercial applications. ST3342LP series modems offer superior price/performance and a robust feature set that will meet or exceed your communications needs.

UNIVERSAL WIRELINE CONFIGURATION

Complex network configurations often incorporate a variety of data set interfaces, each requiring separate modems types. The result has been a requirement to stock seldom used parts, often in significant quantity. Now, the DCE ST3342LP series offers an all-in-one solution for a wide range of applications. Packaged in either a polymer or metal case, and backed by a five year warranty, the ST3342LPseries is capable of operating in either 2 or 4 wire configurations on dial-up, leased line, or short haul networks. Protocol support includes V.34, V.32, V.32bis as well as Bell 212A and 103j.

With its standard power saving standby mode and instantaneous (zero character loss) recovery, the ST3342LP series makes the perfect choice for low power and battery-operated applications. Because one model meets all of your application requirements the ST3342LP series reduces stocking and spares costs while providing additional project flexibility. ST3342LP series modems have been developed to meet the stringent environmental and performance demands of the commercial and industrial applicatins. Every component, switch and connector is selected for its ability to withstand industrial environmental demands. ST3342LP series models may be housed in optional metal enclosures and are built to meet the most stingent criteria. Temperature ratings, for stringent example, range from minus 20C to plus 70C. Versatile power supply options will satisfy any industrial application. Available in commercial and industrial stand-alone configurations.

Key Features

All In One Design- One Model To Support
  2-wire and 4-wire operation
  Lease Line, Dial-up, Short Haul
  V.34, V.32, V.32bis
Standard Error Correction and compression
AT Command Set
Polymer or Metal Case
7-14VDC (power pack included) or 48VDC

General Specifications

Compatability- V.34, V.32bis, V.32, V.22bis, V.22, V.23, V.21, BELL 212A, BELL103j

DTE Interface- Physical- DB9 connector
 Electrical- RS-232F (V.24). Asynchronous: Autobaud or selectable formats and rates to 115.2Kbps with V.34 or 57.6Kbps with V.32bis.

Auto Dial Modes- Standard 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.

Data Compression- V.42bis and MNP5 data compression.

Configuration Control- Standard AT commands for both local and remote configuration.

Diagnostics- V.54 through AT commands.

Network Interface:
 Dial-up: 2-wire pulse or DTMF XMT level: 12dBm RCV sensitivity: -43dBm
 2-wire and 4-wire Leased and short-haul XMT level: Adjustable RCV sensitivity: -43dBm

Power
 Standalone unit
Standard units automatically adjust to 7-14VDC unregulated, or regulated 5VDC ± 5% (ripple < 100mv). Optional 48VDC supply.
115VAC->9VDC Wall Transformer included with all standalone configurations.

Power Consumption

 Operational Mode- 85ma @12VDC

 Standby Mode-38ma @12VDC

 Standby to Operational Transition Time-

Nearly instantaneous- will detect first

character or ring.

Environmental

 Commercial Wireline

Operating temperature range: -20°C to 70°C.

Humidity: 90% non-condensing.

Approvals- FCC Part 68 & Part 15, Class A.

Optional:

International approvals available.

Physical

 Commercial Standalone
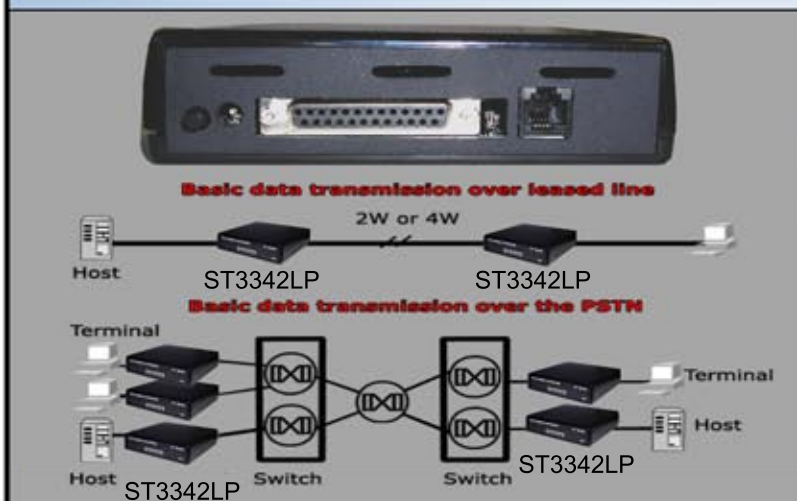
Dimensions: 5.3"L x 5.05"W x 1.53"H. 12oz.

Model Numbers and Optional Features

DCE/ST3342LP	Standalone, 115VAC
DCE/ST3342LP-DC	Standalone, 48VDC

Basic data transmission over leased line

2W or 4W

Host   ST3342LP   ST3342LP

Basic data transmission over the PSTN

Terminal

Host   ST3342LP   Switch   Switch   ST3342LP   Terminal

Host

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