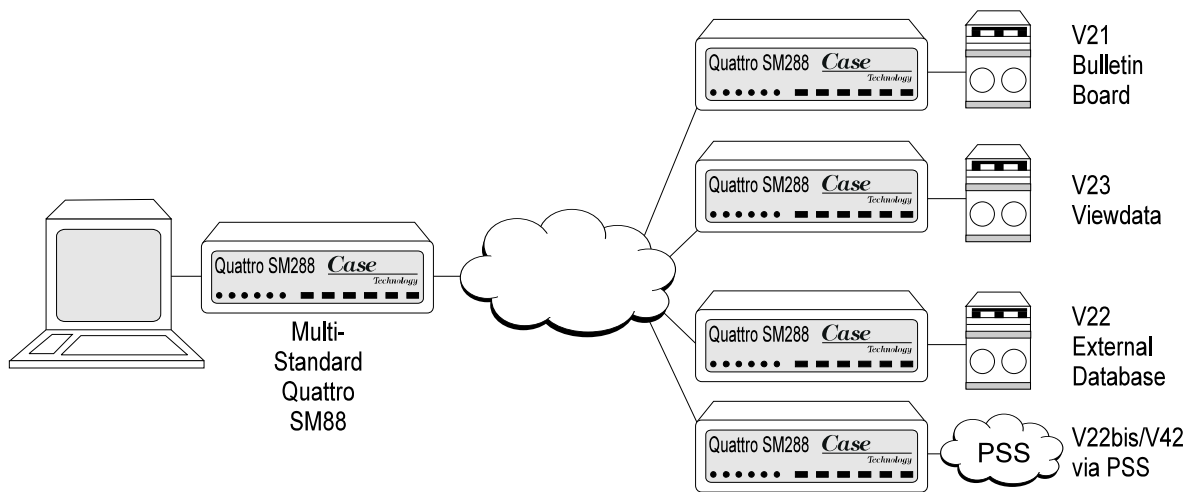


Transmission

Quattro SM288

Multi-Standard Modem



Features

- V.34, V.32bis, V.32, V.21, V.22, V.22bis, V.23 compliant
- Speeds up to 28.8kbps
- Sync or async operation
- 2 & 4-wire PSTN & lease line
- V.42 error correction
- V.42bis data compression
- V.24/MIO compatible DTE port
- Extended AT command set
- Password security
- Dial back security
- Separate command port
- Soft configurable
- V.54 loop tests
- Remote configuration
- Internationally approved
- Standalone or Network 16 Rack options for maximum flexibility
- Integral power supply on standalone unit
- Network manageable from DomainView Network Management System
- Software downloadable

General Description

The Quattro SM288 supports a wide range of modulation techniques, and provides industry standard error correction and compression. It automatically negotiates the best modulation scheme to use with the remote modem on a call by call basis, and performs auto dial and auto answer. The Quattro also provides two levels of security.

Multi-standard Operation

To ensure maximum connectivity with the minimum of fuss, the Quattro SM288 supports standard modulation schemes ranging from V34 offering data transmission at 28,800bps, down through V.32bis, V.32, V.22bis V.22, V.21 and V.23.

Quattro SM288's use of V.34 enables it to continuously vary the data rate on the link for optimum performance based on prevailing noise levels and other factors such as the overall width of the usable voice band channel.

With the wide range of modulation schemes supported by the Quattro SM288 it will automatically negotiate with the remote end modem, on a call by call basis, to decide the best scheme to use if the remote modem does not support V.34.

Error Correction

Error correction is essential when operating over voice grade dial-up and lease line circuits. In situations where the data is not itself protected by a higher level error correcting protocol Quattro System modems offer V.42 error correction to ensure interworking with other modems supporting this standard. For complete backward compatibility, MNP Classes 2-4 are also supported.

Data Compression

To allow you to make the most cost efficient use of dial-up or lease line services, Quattro System modems utilise the recognised standard V.42bis data compression. This technique operates on the data in real-time to provide impressive increases in effective throughput.

In V.34 asynchronous mode, for example, a file transfer can be achieved at a typical throughput of 69,000bps (2.4:1 compression). To allow for this the data interface on the Quattro SM288 can run at up to 115,200bps. Again, for backward compatibility, MNP Class 5 compression is also offered.

Configuration

The Quattro SM288 has twelve pre-set factory configurations and four user entered configurations, all held in the modem's non-volatile memory. Configurations can be loaded and modified locally via the DTE or command ports. The configuration can also be modified from a location remote from the modem and stored in the Network 16 racking system controller card.

Auto Dial/Auto Answer

Quattro System modems support auto dial/auto answer via AT commands in both synchronous and asynchronous modes.

20 telephone numbers with text and alternative numbers can be stored in the modem's memory.

Security

Quattro System modems can be programmed to perform two levels of security checking:

In Level 1 security during call set up passwords are checked against a list of passwords stored in the modem's memory.

Network 16 format cards can also perform a Level 2 Security Handshake with the Network 16 controller to provide Time of Day Access Control.

Dial Back Security can also be configured with up to twenty numbers and passwords being stored in the modem's memory.

Dial Back Security can be used in conjunction with Level 2 security to provide comprehensive network security.

Applications

The Quattro modem is ideally suited to meet the needs of many applications ranging from the most basic dial-up data links to complex data networks utilising synchronous leased line operation.

With separate lease and dial-up line interfaces the Quattro modem is ideal for point of sale applications where a leased line can be permanently maintained on one interface to, say, a credit checking agency, while the other interface can be used to connect to the store's head office for overnight data collection. Switching between the two interfaces is initiated by software command.

The Quattro modem is available in standalone format for use at remote and low density sites and card format for use in racks at central sites where higher density packaging is required.

Technical Specification

Physical Description:

Standalone unit	Single V.24 25 way DTE interface Single 3mm stereo jack command port Single PSTN plug Single Lease line plug 220x225x52mm
Rack Card	64 way connector, plugs into Network 16 card frame 310x156x20mm Max 16 in Network 16 frame

Front Panels:

Indicators	8 LEDs
Buttons	6 push buttons
Transmission	
Line requirements	BT 2 or 4-wire PSTN or Leased circuit

Transmission

V.34	28,800bps, sync/async full duplex 2 & 4 wire
V.32bis	14,400bps sync/async full duplex 2 & 4 wire
V.32	9600bps sync/async full duplex 2 & 4 wire
V.22bis	1200/2400bps sync/async full duplex 2 & 4 wire
V.22	1200bps sync/async full duplex 2 & 4 wire
V.21	300bps async. full duplex 2 wire
V.23	1200/75bps async full duplex 2 wire
Error correction	V.42 & MNP4
Data compression	V.42bis & MNP 5

Environment:

Power	
Standalone unit	20-60V DC 1.0A or 230v 100mA 50-60Hz
Network 16 rack	220-240v 200VA (Max for single power supply) 47-63Hz
Humidity	5% to 95% (non-condensing)
Operating	+5 deg C to +40 deg C
Storage	-25 deg C to +55 deg C

For Business Needs . . . Not Technology's Sake
Wherever your network takes you,
our partners are there to support it

Visit Case Communications World Wide Web site for the latest information on our award-winning technology, news updates and corporate activity:

<http://www.casecommunications.com>

Case

Communications

Corporate Headquarters
Unit 15
Riverside Business Centre
Victoria Street
High Wycombe
Bucks HP11 2LT
United Kingdom
Tel: +44 (0)1494 833 740
Fax: +44 (0)1494 833 741

G997-200794
© Case Technology
All registered and unregistered trademarks are the sole property of their respective companies.
This document is for guidance only and does not form part of any contract and is subject to change without notice