MOTOROLA

A World Leader in Communications Products

326XFAST & SDC

Optimum Performance Over Any Given Telephone Circuit

Overview

Motorola, the worldwide leader in high speed analog technology, presents the 326XFast and 326XFast SDC family of V.34 modems. The V.34 technology offers optimum performance over any given telephone circuit with clear channel speeds to 33.6Kbps in synchronous and 128Kbps in asynchronous environments.

The V.34 standard combined with Motorola's reputation for quality and reliability, makes this family of network managed standalone and rackmount modems, ideal for all serious dial and lease line applications.

But that's not all, the 326XFast SDC product series incorporates Synchronous Data Compression.

SDC combined with V.34 delivers up to 128Kbps performance for both synchronous and asynchronous traffic over standard voice grade analog lines.

Accelerated speeds like these, make this product family ideal for router to router and LAN internetworking applications SNA networks, X.25 networks, disaster recovery, as an alternative to digital services, dial back-up and more!

Whether the application requires dedicated bandwidth or bandwidth on demand, SDC provides the best throughput for all HDLC/SDLC environments.

The Motorola V.34 modems incorporate the very latest in modulation technologies including:

- ■ V.8 standard modem initialization
- ■ Line Probing
- ■ Pre-Coding
- ■ Adaptive Power Control
- ■ Multi-dimensional Trellis Coding
- ■ Adaptive Pre-Emphasis

These technologies give users the best transmission speeds possible. These technologies are critical for successful performance at 28.8Kbps speeds for home office workers, telecommuters and other users dialing into a network where phone line quality maybe less than optimum.

In addition to the 326XFast & SDC family, Motorola offers the 326X Family for V.32bis, 14.4 Kbps applications. The 326X Family offers the same advanced features of the 326XFast.

Motorola, offers users the best solution for all networking needs!

326X Series

Features

- AT, LPDA-2 and V.25bis command set automatic calling interfaces

- ITU V.8 Automode

- V.42 error correction

- V.42bis and MNP 5

- Adaptive Rate System (ARS)

- Remote Configuration, via network management, front panel, and AT commands

- Password & Callback security

- Network Management Ready

Benefits

- Sets calling interfaces via front panel or network management system

- Allows for automatic selection of modulation types and speed on call connection

- Supports CCITT LAP-M and MNP class 4

- Data compression, with automatic negotiation on connection

- Continuously adapts modem rates to optimize through put independent of prevailing line conditions

- Easy use allows network to be utilized to its maximum potential

- Controls unauthorized access

- Network can adapt to growth and change

Specifications

Compressed Mode Transmission Rates:
128.0, 115.2, 96.0, 76.8, 64.0, 57.6, 38.4, 28.8, 14.4, 12.0,9.6,7.2,4.8, 2.4Kbps (+0.01%Sync. for all speeds except: 56Kbps-.35%, 21.6Kbps +.08% and 16.8Kbps-.1%) (+2.5% async.) 1.2Kbps and 300bps also supported in asynchronous only (+2.5%)

Non-Compressed Mode Transmission Rates:
33.6, 31.2, 28.8, 24.0, 21.6, 19.2, 16.8, 14.4, 12.0, 9.6, 7.2, 4.8, 2.4, 1.2Kbps (+0.01% Sync.) (+/-2.5% async.) 300 also supported in asynchronous only(+2.5%)

Operating Modes
V.34, V.32bis, V.32, V.22 bis, V.22, V.21, Bell 212, Bell 103 (Model Dependent)

Line Types
- 2-wire dial line operation
- 2/4 wire leased line operation (model dependent)

Error Correction
V.42, LAP-M & MNP 4

Data Compression
V.42bis & MNP 5

Transmitter Section
- Output Level tolerance: +/-1.0db
- Output level: country dependent
- Timing: Selectable internal, external, loopback

Certification Compliance
- Safety: UL 1950, CSA 950, TUV, IEC 950
- Telecom: Country compliance as required
- EMI/RFI Emissions:
  CISPR 22 Class A VDE 0878 Class A (German model)

Environmental
- Operating temperature: +32 to 122F (O to 50 C)
- Storage temperature:-40 to 158 F (-40 to +70 C)
- Relative humidity: 0 to 95% non-condensing

Service & Ordering

Motorola ISG offers a full range of Network Maintenance, Systems Integration and Network Operations Services. For further information on service, warranty and ordering, please contact your Motorola Sales Representative or Authorized Distributor at the telephone number listed below.