

Cable Modems

DataXpress™



Data

The DataXpress is a DOCSIS (Data Over Cable Service Interface Specification) 1.0 compliant Cable Modem. It is interoperable with commercially available CMTS units. The modem features an Ethernet port easy hassle free connections to any PC. It features a sleek housing that allows for vertical or horizontal use. Get the DataXpress for your demanding cable modem applications.

○ Features & Benefits

- DataXpress Cable Modem
- 10BaseT Interface
- DOCSIS 1.0 Compliant
- Sleek Vertical or Horizontal Flexible Design

○ Specifications

Up-Stream

Modulation Type: QPSK and 16 QAM
Frequency Range: 5 — 42 MHz
Channel Bandwidth:
200, 400, 800, 1600, 3200 kHz
Symbol Rate (Nominal):
160, 320, 640, 1280, 2560 Ksym/sec
FEC: Reed Solomon
Impedance (Nominal): 75 ohm
Return Loss: > 6 dB

Down-Stream

Modulation Type: 64 QAM and 256 QAM
Frequency Range: 91 — 857 MHz
Channel Bandwidth: 6 MHz
Symbol Rate (Nominal):
5.056941 Msym/sec @ 64 QAM
5.360537 Msym/sec @ 256 QAM
FEC: ITU J.83-B as per DOCSIS
Impedance (Nominal): 75 ohm
Return Loss: > 6 dB

Interfaces

CATV Connection: F-Type Female, 75 ohm Connector
CPE Connection: 10BaseT Ethernet, RJ-45

General

Standards Compliance: DOCSIS 1.0
Protocol: IP, UDP, ARP, ICMP, DHCP, TFTP
Bridging: IEEE 802.1 d-compliant
Transparent Bridging

Management:

SNMPv2 with MIB II, Cable MIB and Bridge MIB

Encryption:

DOCSIS Baseline Privacy with RSA Public-key and 56-bits DES

Front Panel LED:

PWR – Power, ETH – Ethernet Connection, RDY – CMTS Connection

Electrical

Voltage:

External AC/DC Universal Power Adapter, Input 100-250Vac, 47-63 Hz

Power Consumption:

< 10W in Operational Mode

Mechanical

Dimensions: 1.4 x 9.8 x 4.7 in
35 x 250 x 120 mm

Weight: 315 ounces (900 g)

Temperature

Operating: 0 to 40 °C

Storage: -25 to 85 °C

Approvals

Safety:

UL 1950; CSA C22.2 No. 950; IEC 950; EN 60950 EN 60065

Emission:

FCC Part 15, Class B; CISPR 22, Class B; EN 55022, Class B

Immunity: EN 50083-2

○ Ordering Information

Model	Stock No.	Description:
CS-DX-ETH	2610	DataXpress Cable Modem, 10BaseT Ethernet port DOCSIS 1.0 Compliant