

## MartisDXX™ xDSL Network Terminating Unit (STU-160)

### Overview

The STU-160 DSL Network terminating Unit is designed for leased-line data networks for terminal rates up to 128 kbps.



### Features and Benefits

The unit is equipped with two independent terminal interfaces, which share the total available 128 kbps data transmission capacity. It means you can connect two pieces of equipment to just one STU-160 modem. At the network side, the STU 160 modem is connected to an IUM interface unit located in a MartisDXX node. Eight STU-160 modems can connect to just one IUM interface unit (resulting in up to 16 64-kbps channel connections), so little investment is needed to integrate and manage several modems and circuits in the MartisDXX system.

### Specifications

#### Features:

Data rates: 1.2 kbps up to 128 kbps  
Line code: 2B1Q, 2wire connection, full duplex  
Line rate: 160 kbps (2B +D), Symbol rate: 80 kbaud  
Impedance: 135 Ohms.  
Transmit level: + 13.5 dBm.

#### Installation:

The STU-160 provides two independent channels which can be freely configured up to the maximum combined speed of 128 kbps.

#### DTE Interface Modules:

Two interface modules can be installed in one STU-160 modem.

Module Name	Interface	Connector
VMI 370	V.35	ISO 2110 25-pin D-connector
VHI 371	V.36 or X.21 (electrically)	ISO 2110 25-pin D-connector
VLI 372	V.24/V.28 (ISO2110)	ISO 2110 25-pin D-connector
GMI 373	64 kbps G.703 co- directional	ISO 2110 25-pin D-connector
VMI 377	V.35	ISO 2593 34-pin rect. Connector
XMI 378	X.21	ISO 4903 15-pin D-connector
EH1 392/ LAN Module	10Base2/10BaseT	RJ-45/BNC

**Diagnostics:**

V.54 loops, built-in test generator with error injection, G.821 statistics, DTE power-off detection.

**Maintenance:**

Unit software downloading.

**Standards:**

Safety: EN41003, EN 60950

EMC: ETS 300 386-1

**Environment:**

Storage: ETS 300 019-1-1:1992 Class 1.1

Transportation: ETS 300 019-1-2:1992 Class 2.3

Operating Conditions: ETS 300 019-1-3:1992 Class 7.1

Normal Conditions: +5..+40°C, 5..85%, non-condensing

**Power Supply:**

Uses external power adapter. Various type of power adapters can be supplied depending on need.

**Power Consumption:** Maximum 10 W

**Physical Size (w x d x h):** 240 x 290 x 53 mm

**Weight:** 2 kg