ASMi-31

Sync/Async 2-Wire Manageable IDSL Modem

- **2-wire sync/async, all-rate short range modem**
- **Full inband management of local and remote modems**
- **Operating range up to 8 km (5 miles) over 24 AWG cable, independent of data rate**
- **Selectable data rates: 1.2 kbps to 128 kbps**
- **Supports digital interfaces: V.24/RS-232, V.35, X.21, RS-530, V.36/RS-449, Ethernet (bridge) or G.703 codirectional**
- **Optional built-in router**
- **Works opposite Megaplex and DXC IDSL cards**

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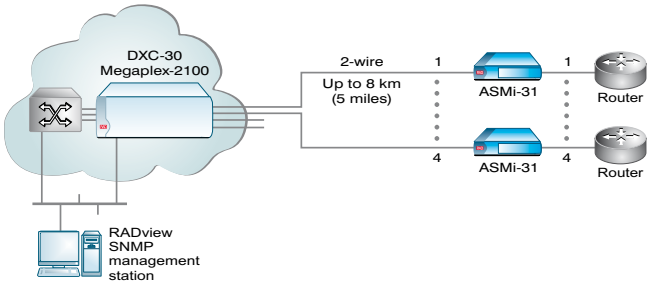

The ASMi-31 manageable IDSL modem operates full duplex over twisted pair, 2-wire unconditioned lines. It has a transmission range of up to 8 km (5 miles) over 24 AWG cable and operates at user-selectable rates from 1.2 kbps to 128 kbps.

The ASMi-31 can also work opposite the DXC with D8U card, or opposite the Megaplex with the U interface module.

SNMP management is available for the cards inside the rack via the management channel and for the customer premises standalone units. The RADview SNMP application running on an HP OpenView UNIX or PC platform supports management of the ASMi-31 and other RAD modems.

The ASMi-31 is an IDSL modem based on 2B1Q technology, which is common to both ISDN and DSL technologies. This line code enables efficient transmission over poor quality lines. Transmit timing is provided internally or recovered externally from the received signal. It can also be derived externally from the digital interface, enabling tail-end applications.

ASM-61

2-Wire Symmetrical VDSL-Based Modem

- **Data rate of 10 Mbps**
- **Range of up to 1 km (0.6 miles) over 24 AWG cable**
- **User interface is a built-in 10/100BaseT Ethernet bridge**
- **Plug-and-play operation**

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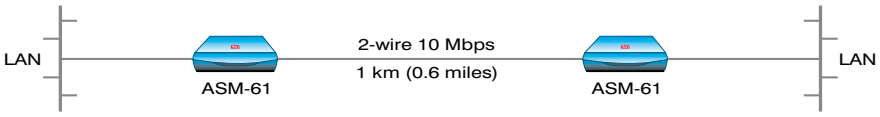

A complete solution for high speed services over existing copper lines, the ASM-61 provides full duplex, symmetrical 10 Mbps Ethernet traffic over 2-wire 24 AWG (0.5 mm) copper cable, for distances of up to 1 km (0.6 miles).

The ASM-61 extends the range of internal LANs using VDSL technology, based on ETSI QAM line coding requirements for the physical medium.

The ASM-61 compensates for line impairments and mixed cabling by using advanced equalization, adaptive filtering and echo cancellation technology.

An internal clock is available. In this mode, the internal clock generator provides the clock for the digital interface and the line.

The ASM-61 is powered by AC voltage. It is available as a standalone unit that can be mounted in a standard 19-inch rack using special hardware.