
N³ ADSL ETHERset



Unit Type	Part Number	Model Number
ADSL (North Amer. plug)	842-00002	E1012

Description

The N³ ADSL ETHERset is a stand-alone, subscriber-end data modem that delivers high speed data services.

Functions

The N³ ADSL ETHERset provides high-performance, Ethernet LAN data connectivity for Internet and remote access applications.

The N³ ADSL ETHERset provides a 10BaseT Ethernet port with an RJ-45 jack for connecting to a PC, workstation, or an Ethernet hub.

ADSL Features

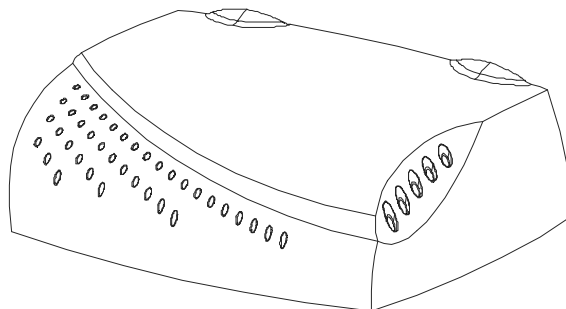
- Downstream rates up to 8 Mb/s
- Upstream rates up to 820 Kb/s
- Complies with T1 and ITU-T standards, including ANSI T1.413-1998, G.992.1 (G.dmt) and G.992.2 (G.lite)
- Can be used on a POTS pair

Features

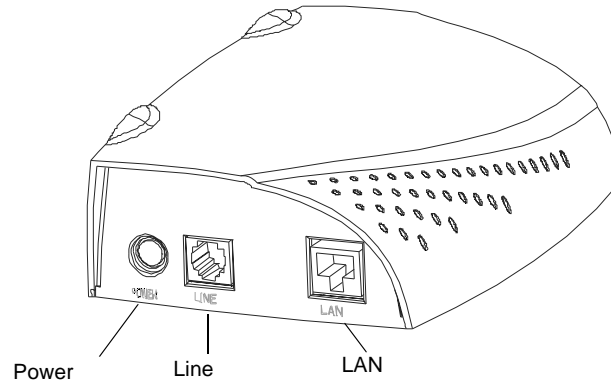
Common Features

- Usable with either FTTC or FTTN architectures
- Complies with UL, FCC and CSA specifications for residential and commercial CPE
- Diagnostics, performance monitoring, and provisioning through mini-web server
- Remote software upgrade capability if used in the NLevel³ platform
- CE marked
- Visual diagnostic indicators
- External DC power supply (included)

Front View of N³ ADSL ETHERset



Side View of N³ ADSL ETHERset



Specifications of N³ ADSL ETHERsets

Dimensions

Characteristic	Value
Dimensions	4" x 3" x 1.25" (101.6 mm x 76.2 mm x 31.75 mm)
Number of ADSL Circuits	1

Physical Connections of N³ ADSL ETHERsets

Type	Network Connector (LINE)	Ethernet 10BaseT connector (LAN)	POTS connectors
Basic ADSL	RJ-11	RJ-45	N/A

Environmental for N³ ADSL ETHERsets

Condition	Value
Temperature	0 °C to +40 °C
Humidity	10% - 90% non-condensing

Indicators for N³ ADSL ETHERsets

Label (Color)	Activity	Indicates
POWER (Green)	on	Power is on, normal operation
	off	No power to the unit
SYSTEM (Red)	on	The unit has failed or is booting
	off	Normal operation
LINE (Amber)	on	Receiving a network signal from the network service provider
	off	Not receiving a network signal
LAN (Amber)	on	Communicating with the LAN and ready for data transfer
	off	Not communicating with the LAN

Indicators for N³ ADSL ETHERsets

Label (Color)	Activity	Indicates
DATA (Green)	flashing	Transmitting or receiving data
	off	Not transmitting or receiving data

Transmission Characteristics for N³ ADSL ETHERsets

Parameter	Condition	Value
Nominal impedance	26 kHz to 1104 kHz	100 Ω
Frequency band	Downstream (receive) Upstream (transmit)	138 kHz to 1104 kHz 26 kHz to 138 kHz
Transmitted signal power (maximum)	100 Ω load	12 dBm
Transmitted signal power spectral density	100 Ω load	< -35 dBm/Hz
Return loss	26 kHz to 1104 kHz (100 Ω reference impedance)	> 15 dB
Longitudinal balance	26 kHz to 1104 kHz	> 45 dB

Power Supply Options for N³ ADSL ETHERsets

Type	Power Supply
ADSL	110-120 VAC, 50-60 Hz

