



First Data Secure Transport® MicroNode™ 1400

The Cost-Effective IP Solution for Dial and Serial POS Systems

The First Data Secure Transport® MicroNode™ 1400 is a simple and cost-effective solution for petroleum/C-store operators who currently use asynchronous dial-up or satellite communications for transaction processing.

The MicroNode 1400 device can be used by both stand-alone point-of-sale (POS) terminals and POS store systems to connect to the Secure Transport Internet-based Transaction Delivery Network.

The MicroNode 1400 device allows store operators to migrate their payment transactions from multiple single-use telecommunication lines, servicing their POS terminals and serial devices, to one broadband connection. For certified POS systems, no changes are required in order to integrate with the MicroNode 1400 device. Store operators can enjoy the improved performance of IP connectivity while eliminating the cost of dedicated dial-up lines or satellite data service.

Lower your business costs by implementing a seamless, scalable and high-speed alternative to your existing communications infrastructure.

Certified (Dial and VSAT) with

- Autogas REGAL® Touch
- Dresser Wayne Nucleus® point-of-sale system
- Fiscal POS Register
- Gilbarco® G-SITE® solution
- Gilbarco® Passport® software
- VeriFone® Ruby SuperSystem® solution
- VeriFone® Sapphire™ Site Controller
- Telecheck Eclipse® Terminal

Features

- Supports multiple POS terminal devices
- Simple to deploy
- Configured and managed remotely
- Provides dial-backup capability
- Supports SSL encryption
- Secure Transport Network is Visa® CISP certified and MasterCard® SDP compliant
- Transactions are re-encrypted using a 512-bit encryption within the Secure Transport Network
- Multi-layers of protection from Denial of Service attacks
- Every transaction monitored in real time
- Certified and supported on the Atlanta Concord/BuyPass® network
- Fully secure and managed, high speed and cost-effective

Benefits

- Eliminates dedicated dial-up lines
- Fast transaction times
- Allows use of site operator's existing Internet access for POS transaction transport
- Provides dial-backup capability with automatic rollover
- Extends site operator's investment in POS terminals and store systems
- No long-term commitment required
- Access to network via broadband or dial ISP connections



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Secure Transport MicroNode 1400 Technical Data Sheet

Dial-In Interface	Bell 212A, V.32BIS
Dial-In Connector	RJ-11 x 2
Dial-In Speed	300, 1200, 2400 bauds
Serial-In Interface	RS232
Serial-In Connector	DB25 x 2
Serial-In Speed	1200, 2400, 9600, 19200, can support baud rates up to 230k
Dial-Out Interface	V.34
Dial-Out Connector	RJ-11
Dial-Out Speed	14.4 Kbps with error correction and compression
Ethernet Interface	IEEE 802.3, Ethernet II, 10Base-T
Ethernet Connector	RJ-45
Ethernet Speed	10/100 Mbps
Status LED Indicators	Power, Ethernet Link Activity, Serial and Dial port status
IP Protocols	ICMP, ARP, UDP, TCP, DHCP, DNS, PPP
Encryption	3DES, AES
Unit Configuration	Remote configuration over Internet connection
POS Terminal Support	Up to 4 Asynchronous Devices
Power Supply	Universal Locking Power Supply - 5VDC, 4.0A
Operating Temperature	0-50 °C / 32-122 °F
Storage Temperature	-10-70 °C / 14-158 °F
Operating Humidity	10% to 90% non-condensing
Dimensions	2.0 x 5.7 x 6 in (Height, Width, Length)
Weight	1.3 lbs

Secure Transport MicroNode 1400 Broadband / Dial ISP Requirements

- The MicroNode 1400 supports only dynamic IP addresses; DHCP service is required to assign an IP address (for example, D-Link or Linksys routers)
- The MicroNode 1400 requires direct access to the public Internet (does not support proxy services)
- If a local LAN is being used, outbound connections must be available using TCP ports 80 and 443
- Inbound connections through a firewall are not necessary
- The MicroNode 1400 supports public or NAT'ed IP addresses
- Use of a surge protector and a firewall between the MicroNode 1400 and the public Internet is strongly recommended

A Global Leader in Electronic Commerce

First Data powers the global economy by making it easy, fast and secure for people and businesses around the world to buy goods and services using virtually any form of payment. Serving millions of merchant locations and thousands of card issuers, we have the expertise and insight to help you accelerate your business. Put our intelligence to work for you.

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