The SkyWAN® family of Frame Relay Access Devices is complemented by the SkyWAN® FAD 8400, a device which supports serial ports only. The FAD 8400 enables enterprises and service providers to incrementally scale their network infrastructure as requirements for additional serial ports increase. It can be used stand alone or to extend the three serial ports of the FAD 9220/9230. The FAD 8400 is available in two options:

/ 4 serial ports
/ 8 serial ports

The number of serial ports can be increased to whatever levels because multiple devices can be chained together. Since the FAD 8400 is a IP device with multiple connectivity options, it easily integrates into any network.

The FAD 8400 can handle framed serial traffic or support transport circuit emulation and then send the resulting data over SkyWAN® networks. It supports the leading LAN and WAN interface protocols including Frame Relay, HDLC, PPP and Power Cell.

Key Features

/ Supports 4 port or 8 port solution
/ Integrated 10/100 Base-T Ethernet port
/ Enables incremental scalability of satellite networks
/ Supports flexible network configurations
/ Offers automatic dial-backup in case of link failures
/ Offers 1:1 redundancy switching
TECHNICAL SPECIFICATION
SkyWAN® FAD 8400

SYSTEM DETAILS
Universal serial port
universal serial port with RS-232/V.24, V.35, X.21/V.11, RS-449/V.36, RS-530
Number of serial ports
4 or 8
Ethernet port
1 x 10 / 100 BaseT Ethernet
Power
auto-sensing 90-264 VAC, 50/60 Hz, 30 W maximum

NETWORK CONNECTIONS
Automatic node discovery and rerouting with least cost metric routing
Automatic load balancing, bandwidth on demand (over leased line), dial back-up

LAN SUPPORT
Ethernet Interfaces
Ethernet II and IEEE 802.2, 802.3, SNAP
Routing
Standards: IP RIP V1/V2 or Static, OSPF, NAT, Multicast IGMP V1/V2
IPX RIP and SAP, LLC2, Virtual LAN, DHCP Client, BOOTP / DHCP relay
Bridging
802.1D Spanning Tree Protocol (STP), MAC Layer

SERIAL PORT FEATURES
Maximum Speed
6.144 Mbit/s on one port, 2.048 Mbit/s for other serial ports
Protocols
Frame Relay: RFC-1490, UNI-DTE, UNI-DCE
Asynchronous: ENQ/ACK, XON/XOFF, transparent, CTS/DTR
SNA: SDLC, LLC2 or Frame Relay RFC-1490
Legacy Sync: PPP, HDLC, SDLC, X.25

PHYSICAL CHARACTERISTICS
Dimension
44 x 427 x 205 mm
Weight
2.7 kg

ENVIRONMENTAL TOLERANCES
Operating Temperature
0° to 45° Celsius
Relative Humidity
10% to 95%, non-condensing

REGULATORY – COMPLIANCE AND AGENCY APPROVAL