

WANsuite® 5339/5365

Broadband Access Solutions

HIGHLIGHTS

- 56/64k WAN access device/IP router
- TDM, Frame Relay, PPP
- IP router enables IP packet routing using static or dynamic protocols
- WANsight™ – Web-server interface for remote access with password lockout
- Supports DHCP server and client
- NAT/NAPT, PPP/NAPT for secure, flexible IP configuration
- Built-in service aware technology for real-time measurement of bandwidth utilization, network delay and verifying SLAs
- Support SNMPv.2 with email notification
- Supports up to 128 DLCIs
- Serial DBU
- APS on Data Ports



Verilink's WANsuite® family is a portfolio of next-generation, intelligent WAN access devices – ranging from low cost CSU/DSUs to fully integrated units. The WANsuite 5339 and 5365 display this flexibility by providing enhancements to DDS network applications by including intelligent DSU, leased line, TDM, Frame Relay, Frame Relay statistics and diagnostics, PPP, IP routing and Supervisory Control and Data Acquisition (SCADA). Based on the Motorola MPC860 processor and running at 40 MHz, the WANsuite 5339 and 5365 deliver up to 50 MIPS of CPU power, providing increased performance at significant cost savings. The WANsuite platform provides a migration path that protects customers' investments as they transition to emerging network services.

Supervisory Control and Data Acquisition (SCADA) gives companies the ability to remotely monitor and control their utility systems in a timely fashion. Using SCADA, companies can remotely monitor water tank levels, liquid flow through pipes, high- or low-level alarms, computed gas flow totals, pipeline pressures and totals, voltages and currents on transmission systems, and can even switch alarms and relays.

The WANsuite family offers simplified, cost-effective, end-to-end network management capabilities. Web-based tools are provided



which immediately benefit network managers in terms of higher performance, lower cost, reduced complexity, increased manageability, and application readiness.

Verilink continually seeks solutions to problems associated with space limitations, high network costs and configuration. The WANsuite next-generation access devices give our customers greater flexibility and higher capacity than single-purpose devices — for about the same price.



PART NUMBER(S) AND DESCRIPTION

1100012: WANsuite 5339 DDS DSU 2 ports, AC
 1100019: WANsuite 5339 DDS DSU 2 ports, DC
 1100095: WANsuite 5365 DDS DSU 2 ports
 Cables and Accessories Included with Units:
 9-1544-619-009: RJ48/RJ48 Pin to Pin, 9 ft
 33-00221: DB9M to DB9F, 6 ft
 9-1001-128-1: Adapter plug, DB9M to DB25F
 9-1001-129-006: DB9M to DB25F, 6 ft (5370 only)

SERIAL INTERFACES

DTE Port(s): Software-selectable V.35, EIA-530, or RS-232;
 Supports Sync/Async and CTS/RTS flow control
 Data Rate: Sync: 1200 - 115200 bps; Async: 300, 1200 - 115200 bps
 Bundling: Contiguous, Alternating, and Random
 Connection: DB-25 female
 Data Rate: Async: 1200 - 115200 bps
 Connection: DB-9 female

NETWORK INTERFACE

Line Rate: 56/64 kbps
 Input Signal: Up to 49 dB of loss
 Line Protection: 1000 V, fused input/output
 Protocol: TDM, Frame Relay, PPP
 Connection: RJ-48C, 100 ohms ± 5%

ETHERNET INTERFACE

Connection: 8-pin modular
 Compatibility: 10/100 Base-T, Autosensing
 Protocols: ARP, RIP1, RIP2, OSPF, TCP/IP, un-numbered

ADVANCED FEATURES

NAT/NAPT, PPP/NAPT
 DHCP server/client
 TCP server
 IP Host Access

MANAGEMENT INTERFACE

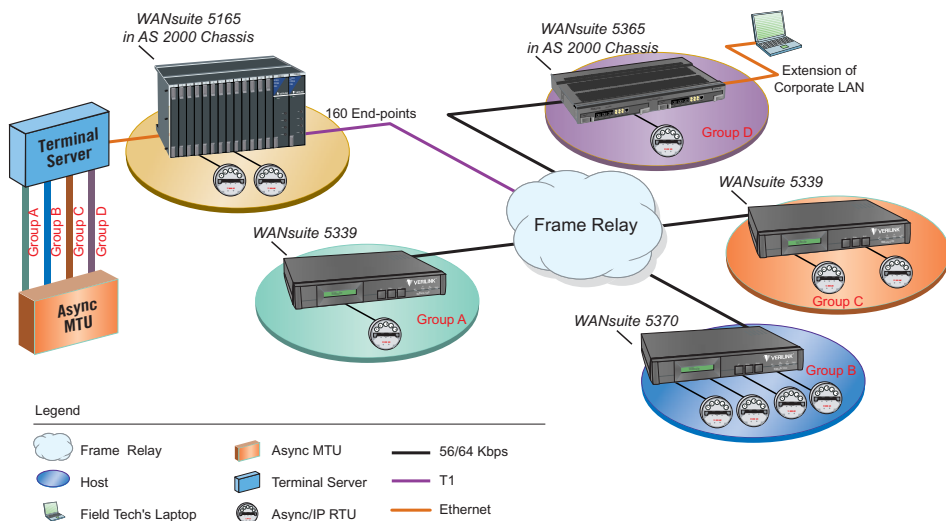
WANsight (embedded Web-server interface), VT100, Telnet, SNMPv.2, local supervisory port, Ethernet port

INDUSTRY LISTINGS

FCC Compliance: Part 15 Subpart B, Class A, Part 68
 US Safety: UL 1950 3rd Edition
 Canadian Safety: CSA C22.2 No. 950-95
 Industry Canada: CS-03, Issue 8

DIAGNOSTICS

Performance: 15-min, 24-hr and 30-day monitoring (sampled every second)
 Network Loops: Line, Payload, or Maintenance
 DTE Port Loops: V.54 and Local
 BERT: Marks, QRSS, 511, 2047, 215, and Spaces
 Originate Ping
 Email notification on trip event



TIMING

Network interface or internal

POWER REQUIREMENTS

Power Input: AC 100-240 V / DC 18-150 V auto-ranging

MECHANICAL

WANsuite 5339
 Mounting: Desktop
 Dimensions: 11.75 in. (29.8 cm) W, 1.86 in. (4.7 cm) H, 8.75 in. (22.2 cm) D
 Weight: 2.1 lb (0.97 kg)

WANsuite 5365
 Mounting: Rack mount AS2000
 Dimensions: 0.84 in. (2.39 cm) W, 8.20 in. (20.83 cm) H, 9.94 in. (25.25 cm) D
 Weight: 15.2 oz. (430.91 g)

ENVIRONMENTAL

Operating Temperature: 0 to 50 °C (32 to 122 °F)
 Storage Temperature: -20 to 65 °C (-4 to 149 °F)
 Humidity: 95% maximum, non-condensing

FRAME RELAY STATISTICS COLLECTED IN 96 15-MINUTE INTERVALS

Tx/Rx frames and octets
 Tx/Rx mgmt frames and octets
 Rx frames with FECN, BECN
 Rx invalid frames
 Tx/Rx status inquiry frames
 Tx/Rx status response frames
 Rx invalid LMI frames
 Peak/Average throughput
 Rx frames with DE bit set
 Tx excess CIR and Be

LAYER 3 STATISTICS AND UP

Ethernet, IP, SNA, NetBIOS, IPX, PPP, TCP, UDP, FTP, TFTP, SNMP, RIP1, RIP, BOOTP, SMTP, HTTP, ICMP, OSPF, 12TP, NC, SPX, IPX RIP, L2TP, H.323

SUPERVISORY CONTROL AND DATA ACQUISITION (SCADA)

Diagnostics: Data monitor and data loopback
 Asynchronous multicasting
 SCADA traffic prioritization
 Encryption per DLC1

