

WANsuite® 7205

Broadband Access Solutions

HIGHLIGHTS

- TDM, Frame Relay
- Three E1 Network ports
- Mini-DACS - Assign DS0s to any interface independent of time slots
- Redundant power with circuit breakers
- Compact design allows two units in one rack
- 10/100Base-T for management and/or IP routing
- SNMP Management with email notification
- WANsight™ – Web-server interface for remote access with password lockout
- Service Level Agreement (SLA) verification
- Resource Management up to Layer 3
- Real-time measurement of bandwidth utilization



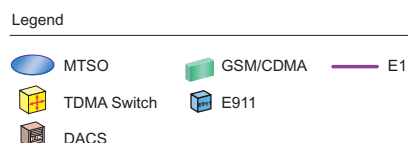
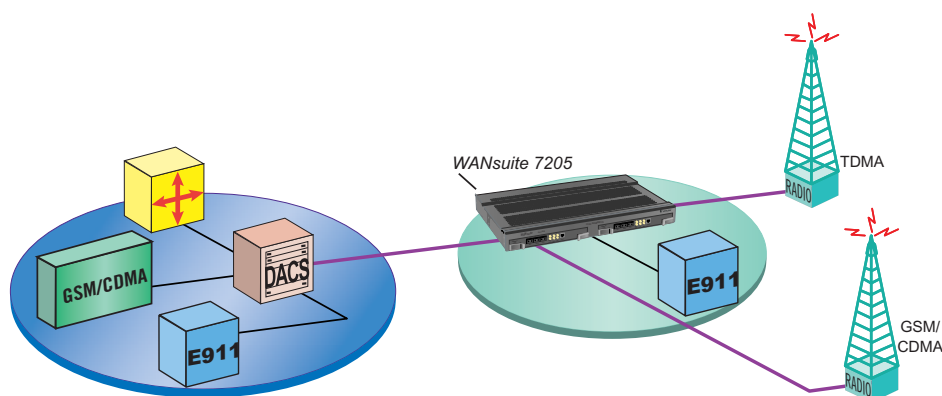
Verilink's WANsuite® family is a portfolio of next-generation, intelligent WAN access devices. The WANsuite family ranges from low-cost CSUs to fully Integrated Intelligent Access Devices (IAD). The WANsuite 7205 is a stand-alone or rack-mountable triple E1 IAD. Based on the Motorola MPC860 processor and running at 40 MHz, the WANsuite 7205 delivers 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.

Boasting triple E1 network ports, two data ports, and an Ethernet port, the WANsuite 7205 meets myriad networking needs. Each of the WANsuite 7205's network ports is lightning protected, can run as an equipment or E1 network port, and process TDM or packet data. The WANsuite 7205 is especially well-suited for the wireless environment, where migrating subscribers from older CDMA or TDMA services to newer technologies such as GSM is a must. With the flexibility of a built-in Mini-DACS, the WANsuite 7205 can groom data from any of its interfaces onto a single E1. Utilization can be measured on each interface to ensure the most effective use of bandwidth. Bandwidth allocation/migration

can be remotely controlled via an easy-to-use Web browser interface or an SNMP MIB browser. WANsight™ Technology provides Web-based tools that immediately benefit network managers in terms of higher performance, lower cost, reduced complexity, increased manageability, and application readiness. The WANsuite 7205 provides complete visibility into a network and allows "Virtual Truck Rolls." With Virtual Truck Rolls, network managers can troubleshoot their networks remotely, thereby preventing costly on-site visits.

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

1100040: WANsuite 7205 3 E1, 2DP, with Rear panel card
 1100063: WANsuite 7205 Bundle: 3 E1, 2DP, 19/23" Dual line shelf, AC

SERIAL INTERFACES

DTE Port: Two software-selectable V.35, EIA-530, or RS-232
 Data Rate: Nx56/64, where N = 1 to 32; Sync: 1200, 2400, 4800, 9600, 19200, 56000, 64000 bps; Async: 300, 600, 1200, 2400, 4800 9600, 19200, 38400, 57600, 115200 bps

Bundling: Contiguous, Alternating, and Random

Protocol: TDM, Frame Relay

Connection: DB-25 female

Ethernet: 10/100 Base-T auto-sensing for IP routing and/or Management

Protocol: TCP/IP, RIP1, RIP2, OSPF

NETWORK INTERFACE

(Three Network Ports)

Line Rate: 2.048 Mbps (± 50 bps)

Data Rate: Nx56/64 kbps to 2.048 Mbps, where N=1 to 32 DSOs

Line Code: AMI or HDB3

Line Framing: CAS, CCS, or 2 Mbits unframed

Protocol: TDM, Frame Relay

Connection: BNC jack, 75 ohms ± 10%, RJ-48C jack, 120 ohms ± 10%

Input Signal: E1, +1 to -27 dB

Output Signal: 3.0 V base-peak into 75 or 120 ohms

Line Protection: 1000 V protection, fused input and output per GR 1089

Ones Density: HDB3, alternate fill

2.048 kbps Interface: Per ITU-T G.823, G.703, G.704

MANAGEMENT INTERFACE

Supervisory Connection: DB-9 female, VT100, Async PPP, PAP, CHAP, Async RS-232

Data Rate: 1200, 2400, 4800, 9600, 19200, 38400, 57600, 115200 bps

SNMP Connection: In-band via Ethernet or Network ports; using Web browser or Telnet; out-of-band via Supervisory port; dial-in via external modem

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

BellCore: GR-1089-Core Part 3

DIAGNOSTICS

Performance: Built-in reports sampled every sec, accumulated in 15-min increments with up to thirty 24-hr summaries

Email notification

Originate Ping

Network Loops: Line, Payload, or Maintenance

DTE Port Loops: V.54 and Local

BERT: Marks, QRSS, 511, 2047, 215, and Spaces

Test Jacks: Network In, Equipment Out, Equipment Monitor, Equipment In, Network Out, Network Monitor

TIMING

Network 1, Network 2, Network 3, Internal, Serial 1, Serial 2

POWER REQUIREMENTS

Power Input: AC 100-240 V / DC 24-48 V redundant

MECHANICAL

Mounting: Desktop or Rack-mount in A52000 Shelf

Dimensions: 0.94 in. (2.39 cm) W, 8.2 in. (20.83 cm) H, 9.94 in. (25.25 cm) D

Weight: 15.2 oz (430.91 g)

Shelf Option: Dual-line, Quint-line, Multi-line

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 CIRand Be

VERILINK'S SERVICE AWARE™ TECHNOLOGY

Layer 3 Statistics and Up: IP, PPP, TCP, UDP, FTP, TFTP, SNMP, RIP1, RIP2, BootP, SMTP, HTTP, ICMP, OSPF, L2TP, H.323
 Peak and Average Throughput on Up to 10 User Definable Filters: DLCI, IP address, or IP port number
 Top talkers

VERIFY SERVICE LEVEL AGREEMENTS (FRF.13)

- Frame delivery ratio
- Data delivery ratio
- Round trip delay
- Service availability in seconds

