

ACCULINK[®]

3150 SERIES

ESF T1 CSU



B E N E F I T S

- LCD DISPLAYED SOFTWARE CONFIGURATION PERMITS QUICK AND EASY OPERATION, ELIMINATING COMPLICATED HARDWARE STRAPPING
- FLASH MEMORY SOFTWARE DOWNLOAD CAPABILITIES ASSURE INVESTMENT PROTECTION
- TWO FACTORY INSTALLED SETTINGS ANTICIPATE THE MOST COMMON APPLICATIONS, FACILITATING TROUBLE-FREE INSTALLATION
- INTEGRAL V.22bis MODEM TO REMOTELY ACCESS DEVICE FOR CONFIGURATION CHANGES, STATISTICS, DIAGNOSTICS, AND TESTING
- SECURITY FEATURES ENSURE NETWORK INTEGRITY
- AUTOMATIC DIAL-OUT REPORTING OF CSU ALARMS AIDS IN REMOTE DIAGNOSTICS
- MINIMIZES "FALSE ALARM" DISPATCH MAINTENANCE
- INTEGRAL SNMP AGENT ALLOWS MANAGEMENT FROM ANY SNMP MANAGER

Paradyne's sophisticated ACCULINK[®] 3150 Extended Superframe Format (ESF) T1 Channel Service Unit (CSU) is a full-featured CSU which directly connects to multiple formatting environments, including D4 and ESF T1 facilities. The ACCULINK 3150 CSU provides optimum T1 network performance through a wide range of powerful features, including in-service diagnostics and T1 network protection.

Compact and flexible, the ACCULINK 3150 CSU combines a wide range of innovative features to allow your network to evolve to emerging digital network standards with minimal disruption. For example, the ACCULINK 3150 CSU's design supports diversity in your T1 network by accepting T1 framing standards such as D4 or ESF, as well as line coding standards B8ZS or AMI for protection of your installed equipment base.

With the ACCULINK 3150 ESF T1 CSU, you gain maximum capability and flexibility in your T1 network. High performance is achieved through the CSU's unparalleled versatility. The ability to download software provides up-to-the-minute access to the newest upgrades and technology, eliminating on-site re-engineering and protecting your network investment.

Ease-of-use and installation are enhanced by the ACCULINK 3150 CSU's many configuration options. Diagnosis is simplified with an embedded SNMP agent and standard MIB support. Remote diagnostics can be performed through the integral dial modem to determine trouble sources before dispatching maintenance personnel, increasing network operator productivity.

Three sets of Bantam test jacks are located at the front of the CSU which increases access and testing abilities. This innovative feature is accompanied by comprehensive in-service testing capabilities.

The ACCULINK 3150 CSU fully meets the requirements for Extended Superframe Format, as specified in the AT&T Technical References 54016-9/89, 62411 and ANSI T1.403. It conforms to FCC Part 68 guidelines as well, for direct connection of customer premises equipment to D4 or ESF T1 facilities. This compliance ensures the user the highest degree of network protection possible.

FEATURES

- ENHANCED ASCII (VT-100) USER INTERFACE
- TELNET
- AUTOMATIC DIAL CAPABILITY TO STAND-ALONE PRINTER OR SNMP MANAGER
- CUSTOMER-CONFIGURABLE BIT ERROR RATE ALARM THRESHOLD
- MULTIPLE POWER SOURCE OPTIONS, INCLUDING -48 VDC REDUNDANCY
- ACCEPTS D4 OR ESF T1 FRAMING STANDARDS AND B8ZS OR AMI LINE CODING STANDARDS
- SEVERAL LOOPBACK CAPABILITIES, TEST PATTERN GENERATORS AND EXTERNAL CONTACT CLOSURE FOR DTE LOOPBACK SUPPORT
- FRONT PANEL DISPLAYS 2x16 LCD, 12 STATUS LEDs AND THREE SETS OF BANTAM TEST JACKS
- REAR PANEL CONNECTIONS INCLUDE POWER, DTE AND LINE CONNECTIONS, INTEGRAL MODEM INTERFACE AND LOCAL/REMOTE COMMAND INTERFACE
- WINDOWS-BASED, FRONT PANEL EMULATION SOFTWARE
- OPTIONAL GUI SNMP APPLICATION FOR HP OPENVIEW AND NETVIEW AIX

The compact ACCULINK 3150 standalone unit can be wall mounted, stacked snugly in an equipment cabinet or placed on a desktop. Complete interoperability with all existing Paradyne network devices ensures network continuity and efficient operation. The ACCULINK 3150 ESF T1 CSU continues the award-winning tradition of excellence in all Paradyne products.

3150 SPECIFICATIONS

DTE Interface

Physical interface: DB15F
Framing format: D4, ESF
Coding format: AMI, B8ZS
DTE line equalization: 5 selectable ranges from 0 to 655' (0-196.50 m)
Send AIS: Selectable

Network Interface

Physical interface: RJ48
Framing format: D4, ESF
Coding format: AMI, B8ZS
Line build-out (LBO): 0.0 dB, -7.5 dB, -15 dB, -22.5 dB
ANSI ESF: Selectable
Bit stuffing: FCC Part 68, AT&T TR 62411
Keep alive to network: AIS, Framed all ones, network signal looped
Yellow alarm transcoding: Selectable

LEDS

OK (power and system status)
FAIL (system failure/self test)
TEST (test in progress)
Network: SIG (network signal OK); OOF (network interface out of frame); ALRM (network interface alarm); EER (network interface excessive error rate)
DTE: SIG (DTE signal OK); OOF (DTE interface out of frame); ALRM (DTE interface alarm); PDV (DTE pulse density violation); BPV (bipolar violation)

Physical Dimensions

Height: 2.1 in. (5.334 cm)
Width: 7.6 in. (19.304 cm)
Depth: 12.1 in. (30.734 cm)
Weight: 2.4 lbs. (1.1 kg)

Power

Local power: 115 VAC (104 VAC to 132 VAC, 57 Hz to 63 Hz, 0.09 A typical)
Options: +24 VDC (+20 VDC to +32 VDC, 0.16 A typical)
-48 VDC (-38 VDC to -60 VDC, 0.08 A typical)
-48 VDC redundant
Watts: 6.9 w (AC power), 4.0 w (DC power)
BTUs: 23.6 BTUs (AC power), 13.6 BTUs (DC Power)

Operating Environment

Temperature: 32° to 122° F (0° to 50° C)
Humidity: 95% (noncondensing)

Standards

FCC Compliance: Part 68, Part 15 Class A
UL Listing: UL1950
CSA: CSA-22.2 Number 950-M89, CSA 108.8-M1983
AT&T TR: AT&T Technical Reference 54016, 62411
ANSI T1.403-1989
Integral dial modem: V.22bis

Loopbacks

Standard: AT&T TR 54016, AT&T TR 62411, ANSI T1.403-1989
LLB (Line loopback), PLB (Payload loopback)
Additional: DLB (DTE loopback) RLB (Repeater loopback), REM LLB (Remote line loopback)

Test Pattern

Generated: 1 in 8, QRSS
Monitored: QRSS

For additional information on this or any Paradyne product or service, contact the office nearest you. Or, dial toll-free (USA and Canada) 800 482-3333 or call 813 530-8623. Fax (USA) 813 530-2103.

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