

FLEXIBLE LINE TERMINAL



Basic features

- Transmission of digital telecommunication channels in tactical systems over wire with possibility of accepting various types of interfaces and conditions of use.
- Number of wire links 4

Management

- Supervision and management of device is realized by:
 - Computer (PC) connected to management interface (connector TU) with Ethernet interface. Device contains a WEB Server enabling management through standard Web Browser on any operating system. Local and centralized supervision and management functions are realized through this interface.
 - Locally using buttons and LEDs on front device end for basic supervision, management and testing functions.
- Standard HTTP and SNMP V.2 protocols are used for connecting device and PC.

Telecommunication features

- Digital channel interfaces:
 - V.11 2048 and 8192 kbit/s
 - E12 (G.703) 2048 kbit/s
 - FE 10/100 MBit/s Ethernet channel is transmitted:
 - On wire transmission lines as 2048 and 8192 kbit/s
 - V.11 service channel asynchronous/synchronous up to 40 kbit/s
 - operator telephone channel digitized speech 64 kbit/s
- Links
 - single-pair wires SHDSL and SHDSL bis 4

- Transition and throughput per link standards:
 - SHDSL ITU-T G.991.2 Annex B 2048 kbit/s
 - SHDSL bis ITU-T G.991.2 Annex F 2048 or 8192 kbit/s
- Device testing is accomplished by activating appropriate signal loops
- Line link testing is accomplished by remote line loop command and checking the quality of response. Command is realized by button or user application.

Additional functional characteristics

- Wetting/Sealing Current on wire connections
- Service channel is programmably routed to one of established transmission links.
- Service channel throughput:
 - asynchronous transparent up to 40 kbit/s
 - synchronous transparent up to 20 kbit/s
- Service phone connection can be established over any transmission link. It is done on CB-CB phone principle.
- Device is performing interface conversions:
 - G.703 <=> V.11 (2048 kbit/s),
 - FE <=> V.11 (2048 or 8192 kbit/s),
 - FE <=> E12 (G.703 2048 kbit/s)

Technical data

- Power supply: Dual, redundant 24 or 48 VDC
Optional: 230 VAC up to 20 W
- Consumption
- Dimension with bumpers (W x H x D): 220 x 118 x 400 mm
- Weight: 6300 g
- Operating temperature range (ETSI 3.3): -15°C up to +55°C
- Ingress Protection Rating: IP67
- Vibration and shock resistant

