

TESlink 27 - High Capacity LOS Radio Relay

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- ✓ Dedicated NATO military frequency range 26,5 ÷ 27,5 GHz
- ✓ Stationary PTP radio relay with transmission capacity up to 320 Mbps
- ✓ Last mile to distance up to 10 km
- ✓ Channel bandwidth 28 MHz ÷ 56 MHz
- ✓ Modulation QPSK ÷ 256 QAM, ACM
- ✓ Gigabit Ethernet and E1



- ✓ Data transmission over larger military areas or airports
- ✓ Side line to backbone net
- ✓ Extension of military channel plan



Technical specifications

General

Frequency range
Modulation

26,5 ÷ 27,5 GHz
QPSK to 256 QAM, ACM (promptly software setup)

Channel bandwidth	28, 40, 56 MHz (promptly software setup)
Max. aggregate transmission rate	320 Mbps (full duplex)
Forward error correction	LDPC
1x ETH 100/1000 Base-T/SX/LX	up to 320 Mbps (IEEE 802.3u, 802.3x, 802.3ac); RJ45, SFP
4x E1, G.703	2,048 Mbit/s (optionally more ports up to 20)

Receiver / Transmitter

Intermediate frequency	RX 140 MHz, TX 350 MHz (coaxial cabel IDU-ODU)
Output power	18 dBm (QPSK), 13 dBm (256QAM), ATPC
Receiver treshold (BER = 10e-3)	-85 dBm (QPSK); -67 dBm (256 QAM) / 28MHz

Management

Local management	PC (USB) – PC application
IP management	3x 10/100 Base-T (separate channel) - SNMP v.2/3, HTTP

Power supply, Dimensions, Weight

AT Communication ©

Operating temperature range	-37 V to -75 V (typ. -48V)
Dimensions IDU	19" x 1U, 3kg
Dimensions ODU	Ø 330 x 210mm, 7kg
Operating temperature range	-33°C to +50°C

Options

SDH/SONET interface	1x STM-1/OC-3 (155,52 Mbps)
Proprietary LAG	configuration 2+0 (up to 640 Mbps)



TESlink 27 - High Capacity LOS Radio Relay For Non-civil Use