

TrangoLINK GigaPro™ – High Performance Native Ethernet/TDM Microwave Backhaul



About GigaPro

TrangoLINK GigaPro™ is a point-to-point high-performance hybrid licensed microwave system that is designed for network operators who require a very high capacity, reliable Ethernet-Native link with legacy support for PDH/SDH transport. This carrier-class RF microwave link is available in licensed frequencies from 6 to 38 GHz for interference-free operation. Ideal for carrier backhaul, WiMAX backhaul, mobile backhaul, and other ISP solutions, this native product is highly-flexible and can support many different equipment configurations such as 1+1, 2+0, Frequency diversity, and Spatial Diversity.

Features

- Up to 1.5 Gbps Aggregate Capacity
- Dual Modem architecture
- Hitless Adaptive code Modulation (ACM)
- Hitless 1+1 Hot Standby built-in
- Frequency and Spatial Diversity
- Industry-Leading System Gain
- 6-38 GHz Support

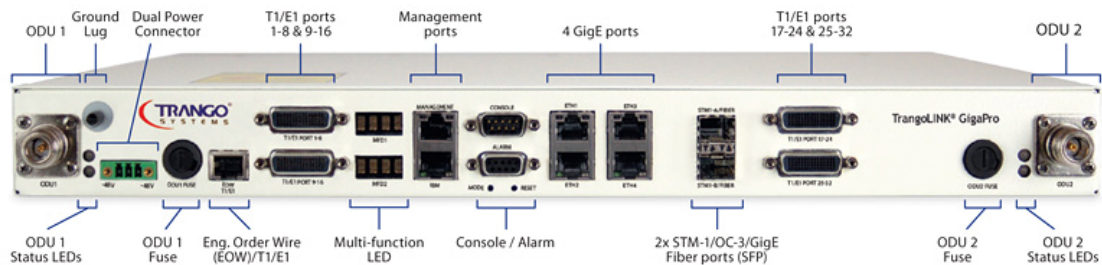
- 3.5-80 MHz Channel Bandwidths to support ANSI and ETSI standards
- 2x GigE Fiber and 4x GigE Copper Ports
- 2x STM-1/OC-3 Ports
- 32x T1/E1 Ports
- Min/Max shaping per CoS per Queue, per port
- Supports ETSI, ANSI (FCC), and IC standards
- Ultra low latency, as low as <math><100 \mu\text{S}</math> (.1 ms), ideal for time-sensitive triple play

GigaPro/SM

The TrangoLINK® GigaPro/SM is a single modem system that includes: Hitless ACM Throughput up to 375 Mbps full duplex 4x GigE, 1 STM-1/OC-3, 16x T1/E1

GigaPro/DM

The TrangoLINK® GigaPro/DM is a dual modem system that adds support for: Hitless 1+1 Link Redundancy (375 Mbps full duplex) Bonded Channel (750 Mbps full duplex) East/West mode for long haul relay links (375 Mbps full duplex) Frequency/Spatial Diversity 4x GigE, 2 STM-1/OC-3, 32x T1/E1



• Upgrade Options

- Base Packages include 100+ Mbps full duplex capacity, single modem
- Easily upgrade capacity remotely *as you need it*, no forklift upgrades
- 2-tier throughput upgrade paths
- Software upgrade options for SDH/PDH

Software Upgrade Options

GIGAPRO-KEY-1	Software License Key, Upgrade to 200 Mbps FD per modem
GIGAPRO-KEY-2	Software License Key, Upgrade to 375 Mbps FD per modem
GIGAPRO-KEY-M2	Software License Key, Enable 2nd modem
GIGAPRO-KEY-PDH	Software License Key, Enable 16 T1/E1s per active modem
GIGAPRO-KEY-SDH	Software License Key, Enable 1 STM-1/OC3+16 T1/E1s per active modem