

GL Digital Fixed Link System

2 to 23 GHz

Features:

- COFDM and single carrier QAM modulation
- Data rates to 155 Mbit/s
- Simultaneous split modulation/demodulation (COFDM and single carrier QAM)
- DVB-S
- DVB-T
- MER - Status
- BER - Status
- Loss of signal detection for carrier, ASI, video and many other input signals
- Full SNMP control over internet/intranet
- Simplex/duplex
- Diversity/Hot-standby
- Channel bandwidth 6 to 40 MHz
- Any band between 1.4 to 24 GHz with internal or external RF options
- Internal SD/HD MPEG2 Encoder/Decoder option
- Many AC and DC power options
- Full control via password protected front panel
- External telemetry for monitoring third party equipment
- Power control over third party power amplifiers
- External alarm inputs



An extremely flexible, modular digital fixed link system, the GL offers a remote RF head (to 23 GHz) and internal RF modules (to 14 GHz) for fixed link (STL, TSL, ICR) applications. Through interface modules, the main-frame can be configured to meet any application now and in the future.

Central to the GL is the internal bidirectional modem card, configurable for single carrier QAM or COFDM modulation, at rates up to 155 Mbps, in duplex or split modulation modes.

Optionally, users can select internal RF modules for existing waveguide installations or external RF Heads (using low cost coax cable) (high and low power heads available) where long waveguide lengths are expensive and suffer high losses.

Available T1 and E1 interfaces transport PBX and RS 232/422 traffic as well as audio and control signals. An Ethernet interface is available for Internet and Intranet traffic and is multiplexed on the carrier as ASI. Internal MPEG2 encoder options support legacy CVBS video signals, while digital services can be added by the internal multiplexer input.

The GL can optionally provide internal transparent multiplexing for transport of streams without re-mapping. Up to 8 streams can be muxed with complete transparency. Hot standby, ASI switching, automatic logging of 15,000 alarm events, 100 to 240 VAC and 24/48 DC power options, full Java web interface and dedicated remote program control over Internet or Intranet, are just some of the features that are standard.