



GBS-R2

Dual GBS Modem Module

By Light's GBS-R2 integrates two (2) Novra Technologies S300N GBS DVB S2 satellite data receivers into a single module for the Klas Telecom Voyager 8 chassis.



SPECIFICATIONS

PHYSICAL

- 6.25" L x 7.375" W x 2.0" H (159 x 187 x 51 mm)
- 2.4 lbs / 1.1 kg

ELECTRICAL

- 12 VDC input for operation in KLAS Voyager 8 chassis
- 25W power consumption

CONSTRUCTION

- Integrated aluminum chassis
- Forced air cooled, 2 VDC fans

OPERATING TEMPERATURE RANGE

- Operating -0 to 40C (32° to 104°F)
- Non-operating -40 to 50C (32° to 104°F)

RF TUNER

- Receiving frequency: 950 to 2150 MHz
- Frequency acquisition: $\pm 50\%$ symbol rate up to ± 10 MHz
- Input signal level: -70 dBm to -25 dBm

MULTI-STANDARD DEMODULATION

- DVB-S: QPSK: 300 Ksps to 45 Msps (auto selection)
- DVBDVB-S2 (auto selection)
 - QPSK: 600 Ksps - 45 Msp
 - 8PSK: 600 Ksps -30 Msps
 - 16APSK 600 Ksps -30 Msps
- Data rate: 80 Mbps
- Nyquist root filter: 0.2, 0.25, and 0.35 roll off
- Automatic Code Rate detection and lock

Part Number: BYL-VOY-GBS

Description: Voyager 8 module solution with 2 Novra S300 GBS receive modems and Voyager 1 chassis.

By Light Professional IT Services LLC
8484 Westpark Dr., Ste. 600, McLean, VA 22102
+1 703-224-1000 | www.bylight.com



bic@bylight.com