

### NS3000 IP Satellite Modem

The NS3000D is the fastest satellite modem achieving data rates of up to 716Mbps. It is also the modem which presents the most compelling ROI in the market. The NS3000 incorporates innovative NS3™ state-of-the-art technology for satellite communication. It interfaces directly with IP infrastructure via a Gigabit Ethernet interface.



#### ● Widest Support for Customer Needs

The NS3000 offers several hardware and software options to accommodate a wide range of customer needs. It supports point-to-point as well as point-to-multi point links while supporting ULE, GSE and NovelSat's high-efficiency NSPE™ encapsulation schemes.

#### ● Best Performance

The NS3000 offers a dramatic performance upgrade over DVB-S2 and any other similar equipment available in the market. This high performance is achieved owing to the utilization of NS3™ technology coupled with the capability of transmitting a 72MHz single carrier. In addition, the NS3000 incorporates revolutionary NPEC (NovelSat Proprietary Echo Cancellation) technology and a built-in receiver equalizer that further improve performance over saturated channels.

#### ● Highest Data Rate

Using the NS3000, customers achieve the highest data rates of up to 716Mbps while reducing dish and HPA sizes and/or required satellite leased bandwidth. The NS3000 offers a fully Integrated IP solution incorporating routing capability. Further utilization of allocated bandwidth can be accommodated using NovelSat optimized ACM mode.

The NS3000 comes with IF/extended L-Band input/output interfaces and can support BUC and LNB, offering a compact and cost effective solution in a space-saving 1U package.



#### Key Features:

- Compatible with the innovative NS3™ protocol
- Data rate of up to 716Mbps (bidirectional 358Mbps) with built-in ECO Cancellation
- Up to 70Msymbols/sec
- Optimized ACM mode
- Non-Linear Processing mode for saturated signals
- IP routing
- TCP acceleration
- Traffic compression
- ULE/GSE/NSPE support
- DVB-S2 compliant
- QPSK, 8PSK, 16APSK, 32APSK, 64APSK
- Optional 10MHz reference (In/Out)
- Extended L-Band 950MHz-2150MHz
- L-Band monitoring output
- Redundant Gigabit Ethernet interface
- Redundant power supply

