



## iDirect X5 'Rugged'

Outdoor Modem

- IP65 sealed
- Optional antenna pointing aid (MPAD2)
- High performance IP data rate up to 35/10 Mbps
- 1 Gigabit ethernet LAN port
- DVB-S2 forward
- ATDMA or SCPC return link
- Compatible with standard BUC and LNB
- Multi-level quality of service
- Versatile IP routing and addressing
- Low jitter for real time applications
- Built-in APC
- TCP,UDP,ACL,ICMP,IGMP, RIPv2, NAT,DHCP, OpenAMIP, cRTP, GRE

The X5 'Rugged' is the latest in the ODU range from Sematron, and is a complete IP65 sealed solution incorporating industry leading MPAD2 pointing system for all Sematron IP satellite antennas.

The X5 'Rugged' is a two-way, high throughput modem supporting a wide range of IP services, including, internet/ intranet access, VoIP, enterprise connectivity and multicasting services, with the advantage of outdoor operation.

Designed specifically to support business-critical applications; the X5 is ideally suited for high-performance broadband applications such as enterprise connectivity, cellular backhaul, maritime, secure banking, and other mobile applications.

The X5 features iDirect's highly efficient implementation of the DVB-S2 standard with adaptive coding and modulation (ACM) on the outbound carrier.

Along with adaptive TDMA technology or SCPC return, 2D 16-State FEC; the X5 maximises the efficiency of satellite capacity to enable new opportunities.

The IP Satellite Modem is available with unique MPAD2 easy-installation technology, supporting the installation of the complete terminal without any specific qualification or expensive tooling needed.

With built-in GPS, inclinometer and electronic compass; the MPAD2 provides correct satellite elevation, azimuth and identification, and facilitates pointing with audio feedback.

After positioning, the integrated certification assures correct installation by giving instant link quality approval. It guarantees that each terminal works at maximum efficiency without any interference risk.