

### ST Engineering SMB3315 ruggedised IP modem with outdoor power supply unit



**The SMB3315 Satellite Modem Board is supported on multiple platforms to cover the widest range of markets and applications.**

The modem shares a wide range of key features and can be easily mixed in a single satellite network on either Evolution, Velocity or Dialog platform. The modem is extremely flexible as it can leverage several different return waveform technologies across multiple platforms\*: ATDMA, MF-TDMA, high-rate SCPC and Mx-DMA MRC which seamlessly combines MFTDMA flexibility with on-demand variable bandwidth allocation of SCPC while guaranteeing the highest efficiency and availability.

The SMB3315 also supports wideband operations up to 500 Msps in the forward channel, enabling service providers to set-up any type and size of network on HTS/VTs.

#### Specifications of the Rugged SBM3315:

For operation in either <u>Dialog</u> , <u>Evolution</u> or <u>Velocity</u> networks
DVB-S2 (up to 45Msps) / DVB-S2X (up to 500 Msps) outbound
Supports DVB-S2X MODCODS up to 64APSK
Return max rates up to 29 Msps (ATDMA), 64 Msps (SCPC), 25 Msps (Mx-DMA MRC)
Ideal for both fixed and mobility applications with peak throughput rates up to 120/48 Mbps
OpenAMIP and GXT file support for mobility
Security features with 256-bit AES Link Encryption
Embedded TCP acceleration, GTP acceleration and header compression

#### Applications:

Fast locking and beacon level indication for satcom on the move applications

Integration into LEO/MEO flat panel antennas

Manpack and mobile terminals

Satcom on the pause and DSNG applications

#### Rugged SDM features:

- IP65 rated
- 4 Ethernet ports (IP65 rated)
- Temperature range -25°C to +50°C
- 24VDC input
- <30W Power consumption
- Optional IP rated PSU
- Power and M&C control for BUC

#### ODU PSU Features:

- 5A @ 120W
- IP65 Rated for outdoor use
- -40°C to +80°C
- Potted lead interface
- MTBF 62,000 hours
- Supplied with AC and DC cables

