ST Engineering

UNIVERSAL PRODUCTS

iDIRECT

Universal Product Portfolio for Maximum Network Flexibility

ST Engineering iDirect's universal suite of products supports multiple bands and topologies to meet any application across a broad array of markets. Compatible on both the Evolution® and Velocity® platforms, the proven DVB-S2/DVB-S2X portfolio brings unprecedented levels of performance and efficiency for HTS as well as investment protection.

ST Engineering iDirect offers a powerful range of universal satellite hubs, versatile satellite modems, and a series of application-specific, network products such as accelerators and optimization solutions.

Universal Line Cards

Your Bridge Between S2 and S2X

The transition to DVB-S2X starts with the Universal Line Card, which can run in DVB-S2 or DVB-S2X mode, in Evolution or Velocity networks, and operates in the Universal Hub chassis.

ULC-T

ULC-R

The ULC-T, transmit line card, supports up to 45 Msps with 32APSK in DVB-S2 mode, and up to 119 Msps in DVB-S2X mode with MODCODs up to 256APSK to achieve greater throughput and efficiencies.

The ULC-R, multi-channel return line card, supports the highest Adaptive TDMA rate to date with up to 29 Msps of aggregate throughput and up to 16 demod channels for higher performance and efficiency.

iDirect Intelligent Gateway

A Smarter Way to Grow

Featuring up to four powerful sleds in a fully redundant configuration, the Intelligent Gateway Appliance virtualizes multiple protocol processors (PPs), while future proofing the gateway infrastructure for large-scale growth of your DVB-S2 and DVB-S2X networks, whether on Evolution or Velocity.

The greatly improved density results in a massive footprint reduction, decreasing cooling and IT management expenses, while vastly improving performance.

Intelligent Gateway

DVB-S2/ DVB-S2X Modem Series

iQ and MDM Modem Series

ST Engineering iDirect's modems introduce a new model for performance and efficiency for fixed and mobility networks so you can effortlessly meet demanding service levels and build out massive networks with greater speed and reduced costs.

Featuring a software-defined architecture, the modems enable a multitude of capabilities to meet distinct end-user requirements and support a wide range of data speeds — from narrowband to extreme bit rates, scaling according to your needs. Our family of modems features multiple form factors, including desktop, rackmount, and modem boards:

- **iQ Desktop+** for broadband and cost-effective enterprise networks.

- **iQ 200 Series** ideal for small to medium enterprise and cost-effective maritime applications such as fishing and small merchant vessel. Also available as a board level variant, the **iQ 200 Board**, which is designed to be integrated into complete terminals, is suitable for fixed and mobile applications.

- **MDM3315 Series** ideal for enterprise, cellular backhaul, maritime, broadcast, and government markets and supports a wide range of fixed IP, mobility, and multicasting services. Also available as a board level variant, the **SMB3315**, which is suitable for both fixed and COTM terminal solutions.

iQ Desktop+

iQ 200 Board

MDM3315

iQ 200 Rackmount

SMB3315

To learn more, please visit iDirect.net/Product-Directory