



ELECTRONIA



New Generation VSAT Technology

BROADBAND DAMA MESH/STAR VSAT SERVICES



From a wealth of experience in tailoring support as well as specific hardware to fit the precise needs of each individual client, Electronia offers EL Connect Broadband DAMA Mesh/Star VSAT Services, a satellite-based communications network solutions that have the technical capabilities and flexibility to be adapted for any customer's needs.

It forms the core of a rich and manifold product and service portfolio that Electronia has extended by deploying fully managed redundant Moderator Station at its facility in Al-Khobar, KSA.

Subscription Data Rate for CUG

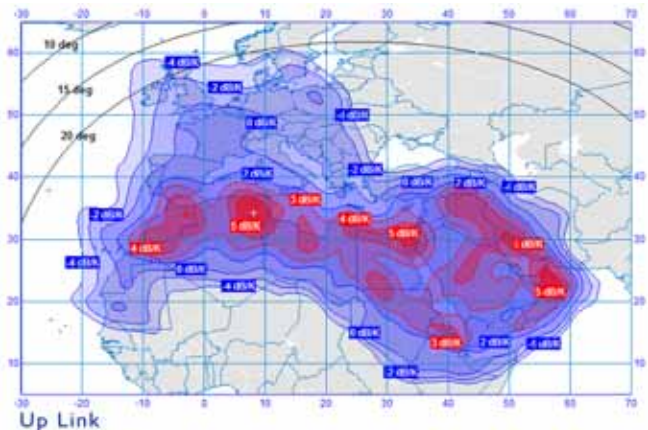
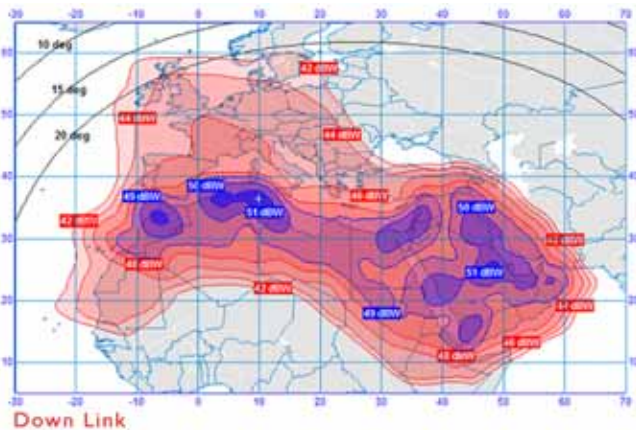
N x128 Kbps (multiples of 128K), subscriber can order the addition on the fly as the requirement grows.

Remote Terminal Characteristics:

Data Rate	Base Hardware	Optional Hardware
<p>For Mesh connection Maximum data rate per terminal : 512 Kbps</p> <p>For Star Connection Maximum data rate per terminal : The CUG HQ & branches can be designed to accommodate more than 512 Kbps carrier support</p>	<p>1.8M antenna (Ku-Band), DSM-1/ DSR-12 modem, 4W Ku-Band BUC, Ku-Band LNB- PLL type, 30 M Tx & Rx IFL cable set</p> <p><i>Custom length of cable up to 60M can be engineered for critical installations</i></p>	<p>VDC series VOIP Gateways, Routers, Network Switches, IP Video Cameras, Equipment carry case, UPS, NPMM for the antenna etc.</p>

For terminal data rate requirements in excess of 512Kbps contact Electronia's Engineering team.

Coverage Footprint



EI Connect Features:

- LAN to LAN IP Connectivity between the locations, Corporate IP WAN
- Standard IPSEC security supporting AES, 3DES
- TCP Acceleration to enhance the FTP/ HTTP performance
- IP multicasting support
- Bandwidth on demand
- Fully redundant moderator station
- Adaptive rain fade control ensures high availability during severe weather conditions
- 24x7 network operations center
- Service covers all the Middle East countries, North African countries and part of Europe.

Benefits:

- Easy connection and configuration
- No extensive design reviews and satellite bandwidth searches
- No need to invest on expensive moderator station

- Subscribed bandwidth shared only among the Closed User Group (CUG) locations
- Bandwidth costs are much lower compared to SCPC solutions
- Mesh/ Star/ Hybrid Connectivity among the locations
- Virtual Network Operations interface for managing CUG terminals
- Each location can use the bandwidth up to the full carrier capacity or the subscribed bandwidth, whichever is lower
- Addition of new terminal has no impact on the existing terminals or the architecture
- Adding additional bandwidth is simply adding additional pool of capacity
- Highly skilled NOC operators provide instantaneous monitoring and support round the clock

The industries that stand to benefit from EI Connect Broadband DAMA Mesh/Star VSAT Services are:

- Corporate Companies, to connect offices that are located in a wide geography
- Oil Sector, to connect far away drilling sites to the HQ
- Retail Chains, to connect retail outlets to a central site
- Border control, to provide backup connectivity for the border control (immigration, customs, traffic & insurance)
- New Industrial/ Township Infrastructure locations
- Government Departments
- NGOs

