Comtech ELEVATE

Elevate Your VSAT **Performance**

The Next- Generation of Intelligent
Software- Defined VSAT Solution

Unleash The Power of Higher Performance with Comtech ELEVATE.

Expand – Software-Defined Network that can support over 500,000 remote sites per service area (hub outbound carrier).

Highest Outbound in Industry – Each service area (hub outbound carrier) can support ~2.5Gbps outbound.

Highest Return Speed in industry – Remote VSAT terminals can scale from a 2Kbps to over 200bps using a single hardware platform.

Fastest Processing in Industry – Remote VSAT terminals support up to 200,000pps.

Fastest user data response – 30ms bandwidth allocation algorithm, 0.1ms minimum allocation duration.

Lowest power consumption in industry – typically, <12W per remote VSAT IDU.

Automatic and Dynamic Selection of Return Waveform – D-RAM simultaneously supporting MF-TDMA and H-DNA.

Software-Defined Redundancy Options – hub element redundancy from 1:1 to 1:250, remote redundancy, geographic redundancy.

NMS (M&C) scale – Supports > 500,000 remote VSAT terminals per NMS install.

NMS APIs – Offers multiple northbound APIs to support manager of managers OSS/BSS orchestration.

NMS data collection – supports multiple ways to perform logging, trending, export, and access through APIs of historical and current data.

COMTECH™

Elevate Your VSAT Performance.

Comtech ELEVATE is a scalable, reliable, software-defined solution that brings together the best of Comtech's popular Heights and MF-TDMA VSAT platforms in a first-of-its-kind leading-edge architecture featuring D-RAM (Dynamic Return Access Modes) that allows dynamic seamless shifting between MF-TDMA and H-DNA waveforms.

Comtech's software-defined technology allows the creation of private VSAT Networks of any size and topology with unlimited potential for future development.

Core Domain Markets Leverage the Power and Intelligence of Comtech ELEVATE in your Key Markets:

- Smart Grids

- Agricultural

- Oil & Gas

- Maritime

- Aerospace

- Land Mobile

Next-Gen VSAT Solution
Wherever You Need It.

Seamlessly Integrate Hybrid and Multi-Layered Satellite Bandwidth.
Comtech ELEVATE is a proven solution that would empower seamless integration of hybrid multi-provider and multi-layered satellite bandwidth resources. It is powered through an ultra-intelligent VSAT platform that can fast-track your transforma-tion. By using virtualization, cloud computing, and Software-Defined architecture, you can accomplish your mission.

1 LEO/MEO Constellations

The new Low Earth Orbit (LEO) and Medium Earth Orbit (MEO) constellations have become a key trend in the satellite industry.

2 Cellular Backhaul

For over 20 years, we have been the premier supplier of bandwidth-efficient satellite modems, VSAT networking solu-tions to Mobile Network Operators (MNOs).

3 Mobility

We understand that the quality of our customers' mobility systems is critical to their success whether in the maritime, aeronautical, or other mobile environments.

4 Enterprise Networks

Our solutions facilitate the delivery of differentiated premium grade services, offering the highest possible Quality of Experi-ence (QoE) to end-users.

5 Broadcast

The Comtech ELEVATE Satellite Routers are designed as a universal VSAT platform that may help Media companies with efficient contribution and distribution of their content.

6 Satellite Operators

Operators are leveraging our success in providing best-in- class solutions for our targeted vertical markets and are investing in Operator-owned infrastructure to extend their product offer-ings and address rapidly evolving customer demands.

COMTECH

Leverage Comtech ELEVATE
Next-Gen VSAT Solution

1. Scale complex Hubs as-you-go to scale from the smallest to largest networks.
2. Command your Hubs through unique Software-Defined and modular architecture.
3. Enjoy higher processing density.

1 Maximize Bandwidth Faster with Maximum Operational Efficiency

Comtech ELEVATE addresses the real need for an intelligent VSAT solution capable of serving multiple applications, from low to high-performance gigabit networks driving an array of bandwidth-hungry applications from cellular backhaul to mobile assets over a single VSAT platform.

2 Comtech's Satellite Technology plays a key role in supporting very large IoT/M2M and SCADA distributed networks.

Our Satellite Networks play a critical function in connectivity for remote sensing in difficult to reach areas, for oil and gas pipelines, Smart Grids, and environmental monitoring.

Are you ready to elevate your VSAT performance?

Enjoy higher processing density. Scale complex Hubs as-you-go to scale from the smallest to largest networks And command your Hubs through unique Software-Defined and modular architecture.

Smarter For Multiple Bandwidth Applications
Comtech ELEVATE deploys and manages a single platform to support small bandwidth applications. From IoT applications in connected agricul-ture to ATM banking networks, while concurrently allowing more megabit-hungry services, like cellular backhaul, gaming, and video, using the same solution.

Optimize Your QoE and Delight Your Customers
Comtech ELEVATE provides more power, speed, agility, and efficiencies to meet a new level of requirements to meet the highest QoE with market-leading affordability, footprint, and low power consumption.

Works Anywhere: Maritime, Aerospace, Land
Comtech ELEVATE meets the changing communications demands through a single intelligent, modular platform capable to support both small and big networks across any orbit. Best of all, it integrates multi-orbit, multi-band, multi-operator, and multi-provider connectivity for Maritime, Aerospace, and Land mobility platforms.

Get started Now. Visit comtech.com/contact-us

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