



Market-Leading Bandwidth Efficiency & Link Optimization

About Us

Comtech EF Data Corp., a subsidiary of Comtech Telecommunications Corp. (NASDAQ: CMTL), is a leading supplier of communications equipment with a focus on satellite bandwidth efficiency and link optimization. Our high-performance satellite communications ground equipment is deployed globally to support mission-critical and demanding applications for government, mobile backhaul, premium enterprise and mobility.





Our Solution Suite

Service providers, satellite operators, governments and commercial users wanting to optimize communications, increase throughput and delight customers leverage the performance and flexibility of the Comtech brand. Facilitating fixed and mobile networks in 160+ countries and across every ocean, our product lines include:

- Heights Networking Platform
- Satellite Modems
- RAN & WAN Optimization
- Network & Bandwidth Management
- Frequency Conversion and Amplifier Solutions

The solutions blend unparalleled horsepower, efficiency and intelligence, providing the advanced technologies you need to increase profitability, differentiate services and improve Quality of Experience (QoE). With the addition of our support services, we also provide 24x7 engineering support and other technical services for your integrated network infrastructure.

For additional information, visit www.comtechefdata.com/products.

Patented & Industry-Leading Technologies

We focus significant R&D efforts on creating patented and industry-leading technologies that provide maximum bandwidth efficiency and link optimization so you can best utilize your satellite capacity. Examples of our ground equipment technologies are:

- DoubleTalk® Carrier-in-Carrier® Bandwidth Compression
- Heights Dynamic Network Access (H-DNA)
- Automatic Carrier-in-Carrier Power Control
- VersaFEC®-2, VersaFEC, LDPC, DVB-S2X, DVB-S2, DVB-S2-EB
- Adaptive Coding & Modulation (ACM)
- Integrated Packet Processing
- Dynamic Predistortion
- AutoEQ™ Automatic Uplink Equalization System
- Radio Access Network (RAN) Optimization
- Wide Area Network (WAN) Optimization
- Dynamic Single Channel per Carrier
- DVB-Carrier ID Using MetaCarrier®
- Daisy Chain Redundancy Switching

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Our Focus

Our high-performance ground equipment supports mission-critical and demanding applications.



Mobile & Backhaul



For over 20 years, we have been the premier supplier of bandwidth-efficient satellite modems, VSAT networking solutions and RF products to Mobile Network Operators (MNOs). Our award-winning and globally-adopted solutions provide feature innovations that drive down the total cost of ownership and improve end user QoE. Our solutions are enabling MNOs to roll out 2G, 3G and LTE services across the most diverse and challenging environments. With infrastructure equipment supporting 50+ Gbps of mobile backhaul over GEO, HTS and MEO, we have the experience and product diversity to facilitate value-added and efficient deployments into the future.



Government



We have a proven track record of delivering reliable, scalable and ruggedized solutions for government applications above or below the sea, on the ground, and in the air. Some government satellite communications programs leverage our existing products and waveforms, while others require modifications or new architecture development that push the technology envelope. Regardless of the scenario, our solutions are engineered to meet a range of standards and to support changing mission requirements.



Premium Enterprise



Our solutions facilitate the delivery of differentiated premium grade services, offering the highest possible QoE to end users. Our infrastructure solutions provide the market's most robust performance and highest throughput capabilities teamed with the lowest possible latency and jitter performance. The combination of highly efficient and adaptive modulation and coding, traffic shaping, WAN optimization, compression techniques and dynamic resource allocation provide the most efficient transmission link achievable, thereby minimizing connectivity costs for star or mesh topologies. Via scalable growth paths and the unparalleled processing power of our solution suite, you can expand networks in both scale and scope with minimal site intervention as user demands change.



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. Our connectivity solutions pioneered high performance in the mobility markets – providing superior performance and reliability in the most challenging environments. Organizations across the globe are currently leveraging Comtech EF Data Onboard to build a digital infrastructure second to none, achieving unmatched efficiency to directly improve the bottom line.



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 offerings and address rapidly evolving customer demands. The key differentiating characteristics of our QoE, efficiency, speed and throughput are highly valued by Operators looking to maximize their return on investment in current and next generation satellite constellations.



Made in the USA

Products are designed and manufactured at our Tempe, Arizona USA plant. Our well-maintained facilities are configured to support current and planned production requirements. We employ formal quality management programs and training, including the international Standard Organization's ("ISO-9000") and Aerospace Standard ("AS9100") quality procedure registration programs.

More Information

We work closely with our customers to assess requirements and to identify the optimum infrastructure solutions for specific networks and applications. We welcome the opportunity to work with you. Contact us today. We are ready to evaluate how our unique feature set can provide you with the industry's highest user throughput, highest availability, and most optimal resource utilization.



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