



EXPLORER MSAT-G3

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Cobham SATCOM: Cobham shows new technology innovations at IWCE

Cobham SATCOM highlights its state-of-the-art new VSAT antenna, its unique Push-to-Talk solution and dual-mode operation for M2M applications at the International Wireless Communications Expo

IWCE 2017 (Booth #1335), Las Vegas - Cobham SATCOM's IWCE 2017 booth will host a number of brand new technology developments including the EXPLORER MSAT-G3 terminal, an innovative LTE modem for the EXPLORER 540 BGAN M2M terminal and the cutting-edge EXPLORER 8120 Auto-Acquire,

Drive-Away VSAT Antenna System featuring unique stabilisation technology.

EXPLORER MSAT-G3 is an IP-based Push-To-Talk (PTT) communications system that uniquely supports Satellite/3G/LTE/LAN backhaul and Land Mobile Radio (LMR) integration to provide seamless voice communication in any situation. It is the only terminal compatible with the next generation hybrid Push-To-Talk MSAT-G3 service, which integrates Land Mobile Radio (LMR) networks, the Ligado Networks SkyTerra 1 satellite and ViaSat's low-latency, IP-based L-band Mobile Satellite Services network to deliver feature rich, high availability communications for US emergency response services and utilities sectors.

Also in the spotlight on Cobham's IWCE 2017 booth is the brand-new EXPLORER 8120 VSAT terminal, which provides 'Comms-On-The-Pause' operation with high-speed connectivity and link stability for professional users from a wide range of industries including news & broadcasting, oil & gas and utilities management. The EXPLORER 8120 features the unique Dynamic Pointing Correction technology introduced on the EXPLORER 8100, giving users the opportunity to enjoy even more availability of service anywhere within the coverage area.

Unique to Cobham, Dynamic Pointing Correction enables the EXPLORER 8120 to maintain a strong link to the satellite should the vehicle move on its suspension due to people getting in and out, high winds, earth tremors, and percussive shock events such as the local use of heavy military ordinance, for example. EXPLORER 8120 features a 1.2 meter reflector which is particularly relevant for users in North America due to the increased gain and cross polarization isolation performance when compared to the 1 meter EXPLORER 8100.

Additional IWCE 2017 highlights from Cobham include a powerful new LTE Modem for the EXPLORER 540 BGAN M2M, which enables dual-mode operation on cellular networks and satellite. EXPLORER 540 delivers real-time M2M communication for diverse applications including IP SCADA for data backhaul, asset tracking, real-time surveillance and remote telemetry. It brings with it the same operational reliability that has helped to establish EXPLORER as a leading brand within land mobile BGAN and VSAT satellite communication.

Dual-mode operation of the EXPLORER 540 BGAN M2M ensures high

reliability even in harsh conditions, in addition to potential cost savings through the use of LTE/3G/2G networks when available. The system is easy to install and use. By simply connecting the LTE Modem on the back of the terminal, it is able to use a local cellular network as the primary data path, with automatic, seamless failover between BGAN and cellular networks. The LTE Modem is automotive graded and designed for harsh environments with an extended temperature range of -40 to +185°F, and it reaches throughputs of up to 150 Mbps with LTE Cat. 4.

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Editor's note:

Cobham is exhibiting at IWCE 2017: Booth# 1335.

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About Cobham SATCOM

Providing dependable communications and internet access anywhere under the most demanding conditions.

Our satellite and radio communication terminals perform in the most challenging and remote environments on land, at sea and in the air.

We design and manufacture these high performance products under the AVIATOR, EXPLORER, SAILOR and Sea Tel brands providing customers with outstanding performance, value and support through our global sales and service network.

About Cobham

The most important thing we build is trust.

Cobham is a leading global technology and services innovator, respected for providing solutions to the most challenging problems, from deep space to the depths of the ocean.

We employ around 11,000 people on five continents, and have customers and partners in over 100 countries, with market leading positions in: wireless, audio, video and data communications, including satellite communications; defence electronics; air-to-air refuelling; aviation services; life support and mission equipment.