L3HARRIS®

FAST. FORWARD.

PANTHER™ 2

Man-Portable VSAT mGS/mPOWER MEO system

The next generation of multi-orbit VSAT technology is here with the L3Harris Panther™ 2 Medium Earth Orbit (MEO) System. Panther™ 2, a man-portable, tri-band, multi-modem 60 cm or 96 cm platform, now has MEO constellation tracking capability with speeds up to 155Mbps (Tx/Rx).

The Panther™ 2 uniquely allows users to access the mGS/mPOWER network with full TRANSEC capabilities in a compact man-portable system. The O3b mPOWER satellite system, operated by SES, uses high-throughput and low-latency (HT/LL) satellites in a medium Earth orbit (MEO) to provide multiple terabits of global broadband connectivity. The satellites' spot beams can be shifted and scaled in real time to specifically distribute power and bandwidth to individual user's terminals.

The new Panther™ 2 with mPOWER access will further diversify your communications pathways and provide additional capabilities and transport options to overcome adversarial challenges today and in the future. Lower latency and higher speeds result in lower data "round-trip" times and better responsiveness in real-time applications. Traditional Panther™ 2 GEO users are able to purchase an upgrade kit to add this capability.

KEY SPECIFICATIONS

> Aperture Options: 60 cm and 96 cm parabolic

> Center-fed feed

> Elevation: 0° - 90° (60 cm), 8° - 90° (96 cm)

> Azimuth: +/- 90°

> Freq. Band: Ka-band

> Freq. Range (Tx): 29.0 – 31.0 GHz

> Freq. Range (Rx): 19.2 – 21.2 GHz

> Polarization: RHCP/ HCP (selectable)

> EIRP: 51.4 dBW (60 cm), 55.6 dBW (96 cm)

> G/T: 15.5 dB/K (60 cm), 18.5 dB/K (96 cm)

> Embedded Comtech 5650C2/MP modem

> External modem interfaces/support

> SES GTC Type 1 certified (terminal)

> SES GTC Type 2 certified (modem)

> FIPS 140-3 Level 2

> Environmental: MIL-STD-810HEMI: MIL-STD-461

> CE: ETSI EN 301 489-1/-12, EN IEC 62368-1:2020, EN IEC 63000:2018

> Part Numbers: 3260CMA-AAK-01T (Panther™ 2 60cm MEO VSAT System)

> 3296CMA-AAK-01T (Panther™ 2 96cm MEO VSAT System)

> 3200-MMCM-01T (Panther™ 2 5650C2/MP MEO Modem Module)

KEY BENEFITS

> L3Harris exclusive Comtech 5650C2/MP modem offering

> Embedded Comtech 5650C2/MP modem with FIPS validated TRANSEC

> Certified on SES mPOWER Hybrid Sovereign and Sovereign Standalone network services

> Break-before-make (BBM) and make-before-break (MBB) certified configurations

> Delivers access to mGS services

> Comtech 5650C2/MP modem is capable of hosting other waveforms, including EBEM

> Available in full system and upgrade kit offerings

> External modems also supported

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