



PARADIGM COMMUNICATION SYSTEMS

Hampshire, United Kingdom



Paradigm is a satcom solutions provider based in the United Kingdom. Paradigm's mission is to make satcom

simple through its state-of-the-art solutions for military and government, non-governmental organizations, and commercial and enterprise customers.

Paradigm's extensive portfolio of ruggedized terminals (MANTA, HORNET, and SWARM) are built to incorporate iDirect and Newtec boards. Paradigm was also the first company to successfully embed ST Engineering iDirect's SMB3310 high-throughput modem board into its PIM® (Paradigm Interface Module).

We spoke with Ulf Sandberg, managing director at Paradigm, to find out more about how the company's PIM-enabled terminals are being deployed:

What is happening in terms of demand for your PIM-enabled terminals in light of the current global situation?

"We have seen a significant uptake recently in demand for our PIM-powered terminals, in particular the HORNET, MANTA, and SWARM. Reliable and quick deploy communi-

cations are critical to many verticals, not only in the current situation but in any emergency. Our satcom solutions have the advantage of also being field-proven and simple to use.

Looking forward, Paradigm will continue to deliver terminals to existing and future programs. We expect to see demand being driven by increased awareness of the important role satcom plays in redundant, deployable communications."

Are you finding that there is a general heightened awareness about business continuity within your customer base as a result of the current pandemic?

"The current situation has certainly heightened the need for constant connectivity to ensure business continuity. When travel becomes restricted or even forbidden, or when remote working causes existing communications to become overloaded, then reliable, easy-to-use, and high-throughput satellite communication systems become vital for connectivity."

Product Snapshot



HORNET

A high-throughput, multi-band, modular solution powered by the PIM. Users can interchange between 60 cm, 80 cm, and 100 cm antennas, as well as differing power and frequency RF modules, to provide a single satcom solution for multi-operational requirements. Comes in a single airline-friendly case. The HORNET is compact and rugged with rapid tool-free deploy and stow.



SWARM®

The SWARM is a high-throughput, multi-band, and ultra-portable solution powered by the PIM. The SWARM is back-packable with a sub-90 second assembly time. Users can be on-air in 240 seconds. The SWARM is rugged and lightweight at 14.5 kg (32 lbs.).



MANTA®

For your comms-on-the-move or comms-on-the-pause complete communication solution, check out the MANTA. Electronically self-pointing with no moving parts, users just need to add power. Installation on vehicles or vessels is easy. An integrated PIM provides live satellite bearing display and modem, a rugged environmental housing, power management, and control for the entire MANTA terminal. MANTA+ terminal also provides managed bearer networks via 3G/4G/LTE backup operation for increased availability and least cost routing.



PIM® (Paradigm Interface Module)

This common rugged terminal controller provides the “brains” of a satcom solution and hosts multiple modems. Any non-skilled worker can point a terminal in seconds by following on-board visual and audio cues. Through the PIM, the SMB3310 can interoperate with on-the-pause and on-the-move satcom terminals for a range of different markets. Thanks to its easy-to-use and seamless interworking with compliant antennas, the PIM has a proven track record in integrating a range of terminals. The PIM can also be adapted to existing fleets of terminals to support the entire system’s M&C functions from a single ruggedized unit, while the integrated iDirect and Newtec modems remove the need for bulky transit racks.

For more information visit
www.paracomm.co.uk