Swarm45

Category 1 – Man Pack – Manual Point

Simple setup and high performance in an ultra-portable, airline carry on package

The Swarm45 is an extremely compact, rugged, lightweight and discreet system. Complete with a low-profile mount, the Swarm45 is fully portable and quick to deploy and stow.

The complete terminal can be unpacked, pointed and operational in under 5 minutes – without the need for tools. Pointing is easy and intuitive using the built-in audio feedback and visual crosshairs of the outdoor PIM. It is BGAN like in it simplicity.

The absence of heavy and cumbersome auto-acquire motors means the Swarm45 is extremely compact and lightweight; the complete terminal weighs less than 14.5kg and packs into one case, which is designed to be carried as airline cabin luggage.

As a single integrated system, the Swarm45 can withstand harsh environmental conditions. It has comparable performance to a 65cm parabolic antenna and can be assembled and operated in half the height making it more unobtrusive and less affected by wind.

Wet performance is also greatly increased when compared to a parabolic as the signal passes through the antenna only once, reducing rain attenuation. Additionally, the flat panel design sheds water easily and avoids water pooling.

Packaging options include a backpack and rugged or soft cases. A tripod mount is available to replace the low-profile mount if required.

Panel supports wideband Ka-band. Multiband options available on request.

Terminal Efficiency Group	Group 1
Type Approval	Expected Q1 2017
Modem Type	iDirect CX751 GX Core Module; Integrated ODU
Aperture	45cm flat panel (equivalent performance to a 60cm parabolic)
Block Upconverter (BUC)	5W
RF Band	Commercial Ka (Rx 19.2-20.2GHz, Tx 29-30GHz)
Mount Type	Transportable, low profile mount, Tool-Free Point
Terminal Pointing	Simplified and assisted Tool-Free Manual Point (Paradigm Interface Module)
Power Source	AC 90-264V
Management User Interface	Integrated external interface; PC web-based
Equipment Interface	3 x 100Base-T Ethernet
Packaging	Single case standard. Rugged or soft options
Weight	<14.5kg (W/O case); TBD (W/Case)
Environmental (operational)	-25 to 55 Deg Celsius
Wind Loading	40mph (operational); 100mph (survival)