

SATCOM ON-THE-MOVE CCT



◎ ***Persistent SATCOM on the sprint to save you from a world of trouble.***

Introducing the SWE-DISH/SAAB
SATCOM-on-the-move terminal.
The King of SOTM terminals

The SWE-DISH/Saab SATCOM on-the-move terminal provides an affordable, unsurpassed broadband on-the-move satellite communications capability meeting the toughest challenges – The terminal is well suited for both land and marine applications. Identified target platforms ranges from

light off-road vehicles, command post and special operations vehicles through smaller boats, to medium size littoral ships, all which operate at high speeds and with major components of pitch, roll and sway.

KEY FEATURES

Very high bandwidth – the SWE-DISH SATCOM on-the-move terminal is the king of SOTM terminals outperforming its rivals delivering true broadband communications with up to 10 Mbps.

Lifeline in the toughest environments – roaring winds, high waves at 50 knots OR more than 40 km/h over uneven terrain – no problem! - The SWE-DISH/Saab SATCOM on-the-move terminal moves faster than any one else on sea, land and sky!

Smallest terminal – the SWE-DISH/Saab SATCOM on-the-move terminal is the smallest terminal that meets FCC requirement without the need of spread spectrum.

Instant automatic recovery of satellite connection – reconnects in less than one second after loss of line-of-sight.

4 axis antenna system – addressing the zenith paradox - enabling under the equator use even when fast maneuvering/ heavy sea/rough terrain.



SWE-DISH Demonstrator - tested for land and for naval use during the last year.

SWE DISH
A DATA PATH COMPANY

SWE-DISH.COM

GENERAL

Antenna aperture	Circular 0.98 m (38.6 in) Centre feed antenna
Antenna positioning	Automatic positioning through GPS and internal navigational system
Azimuth range	360°
Elevation range	-10° - 120°
Tilt range	-30° - 30°
Stabilization performance	≤ 0.1° RMS
Operating temperature	-32° C to +50°C (-26° F to +122° F)
Weight	App 120 kg (app 265 lb)
Diameter - maximum	1.25 m (49 in)
Height	1.3 m (51 in)
Beam width	1.6°
Environmental	IP65 Designed to perform in sea state 6 withstanding splashing waves and 40 m/s winds
Approvals	Designed to meet: FCC, Intelsat, Eutelsat, EuropeStar, IPSTAR, AsiaSat and Hispasat requirements

PERFORMANCE 50 W Ku-BAND

EIRP	54.3 dBW P1 dB @ 14.125 GHz
G/T @ 20° elevation	19.0 dB/K @ 11.0 GHz
Polarization	Linear
Transmit frequency	13.75 – 14.5 GHz
Receive frequency	10.95 – 12.75 GHz
Polarization range	-80° - 170°

MODEMS	iDIRECT	SCPC	L-BAND
Exchange time	Less than 3 minutes to change between modems		
Features	IP accelerator, Advanced M&C through unified GUI, CCT SDS		
Network topology	Star, Mesh & Point-to-Point	Point-to-point & Star	NA
Modulation	BPSK, QSPK, 8PSK	BSK, QPSK, OQPSK, 8PSK, 16 QUAM	NA
Data interfaces	LANA and LANB	Serial and 2 LAN Bridge	Tx + Rx (L-band)
M&C interfaces	Monitor port (L-band)	Monitor port and LAN	LAN and RS232

Specifications are subject to change without notice, and this datasheet will not form part of any contract. 2009-01-19