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© ***Deploys fast to save you from a world of trouble.***

The Suitcase® CCT120 with CommuniCase® Technology. The quickest-to-air terminal in the world.

**Innovative modular architecture creates a line of easy-to-change terminals designed for the present and future** –

like all CommuniCase® Technology products, the new Suitcase® CCT120 features multiple modules, a plug-in modem, an antenna system, a controller, and a transceiver, all of which can easily be replaced and used with current and future SWE-DISH CCT products. Different modules supporting different frequency bands, power levels and modem types are available.

## KEY FEATURES

**Slide-in cassette** – makes the easy-to-switch multiple modem feature possible

**From case to contact in under 5 minutes** – with no tools needed, easy one-man operation, an intuitive GUI, and fully automatic point-and-shoot antenna control, it's easy to see why it's the world's fastest terminal

**Compliant to military standards** – constructed of rugged materials like carbon fiber and rigorously tested to surpass the toughest conditions and standards

**Small antenna, high transmission data rate** – a highly efficient Gregorian dual offset elliptical antenna and feed system achieves low loss and up to 10 Mbps



**SWE DISH**  
A DATA<sup>2</sup>PATH COMPANY



**Suitcase® CCT120**

**GENERAL**

Antenna Aperture	1.2 x 0.84 m (47.2 x 33.1 in ) Gregorian offset antenna
Antenna Positioning	Automatic positioning through GPS, electronic compass and inclinometer
Azimuth range	± 90°
Elevation range	10 – 90°
Size	67 x 45 x 30 cm (26.4 x 17.7 x 11.8 in)
Weight	43 kg (94.8 lb) option: 41 kg (90 lb)
Operating temperature	-32° C to +50°C (-26° F to +122° F)
Storage temperature	-40° C to +70°C (-40° F to +158° F)
Operational wind speed	Max 20 m/s (45 mph)
Operational altitude	Max 3,000 m (9,850 ft)
Sealing class	IP65
Packaging	IATA cases

**PERFORMANCE**

**50 W Ku-BAND**

**30 W Ka-BAND**

**60 W X-BAND**

EIRP @ saturation	57.8 dBW	63.0 dBW	54.0 dBW
G/T @ 20° elevation	21 dB/K @ 11.8 GHz	22 dB/K @ 20.7 GHz	14 dB/K @ 7.5 GHz
Polarization	X-pol linear, co-pol option	Circular, reversible	Circular, reversible
Transmit frequency	13.75 – 14.5 GHz	30.0 – 31.0 GHz	7.9 – 8.4 GHz
Receive frequency	10.95 – 12.75 GHz	20.2 – 21.2 GHz	7.25 – 7.75 GHz
Polarization range	190°	NA	NA

**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 QAM	NA
Maximum data rate	D: 21 Mbps U: 11 Mbps	20 Mbps	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. 2008-11-05