



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

Introducing the Suitcase® CCT90 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® CCT90 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

**Compact, with four transport options** – not only is it the smallest terminal on the market, but its modular design makes it easy to pack for airline carry-on, check-in, back-pack or courier options

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



**SWE DISH**  
A DATA PATH COMPANY



**Suitcase® CCT90**

**GENERAL**

Antenna Aperture	0.9 x 0.66 m (35.4 x 26.0 in) Gregorian offset antenna
Antenna Positioning	Automatic positioning through GPS, electronic compass and inclinometer
Azimuth range	± 90° in 0.1° steps
Elevation range	10 – 90° in 0.1° steps
Size (app)	58 x 40 x 25 cm (22.8 x 15.7 x 9.8 in)
Weight (app)	39 kg (86 lb) option: 36 kg (79.4 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 options	Courier box OR IATA cases OR Backpacks OR Carry-on

**PERFORMANCE**

**50 W Ku-BAND**

**30 W Ka-BAND**

EIRP	56 dBW	60.9 dBW
G/T @ 20° elevation	19.3 dB/K @ 11.0 GHz	17.1 dB/K @ 20.7 GHz
Polarization	Linear	Circular, reversible
Transmit frequency	13.75 – 14.5 GHz	30.0 – 31.0 GHz
Receive frequency	10.95 – 12.75 GHz	20.2 – 21.2 GHz
Polarization range	190° in 0.1° steps	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 QUAM	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. 2008-05-06