Suitcase® CCT 120

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

◎ *Acquired*

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 DATAPATH COMPANY

COMMUNICASE® TECHNOLOGY

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)
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	58.0 dBW	63.0 dBW	54.0 dBW
G/T @ 20° elevation	21 dB/K @ 11.8 GHz	22 dB/K @ 11.8 GHz	14 dB/K @ 11.8 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