

# SWE-DISH CCT120 Suitcase®



Deploys fast to save you from a world of trouble.

The Rockwell Collins SWE-DISH CCT120 Suitcase® System 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 CCT120 Suitcase System 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 typically in under five 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 20 Mbps
- ▶ Eutelsat type approved (EA-V057). Meets Intelsat standard

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**GENERAL FEATURES**

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	41.7 kg (91.9 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
Certifications	Certified on XTAR and SkyNet (X-band) Designed to meet WGS (X & Ka-band), certification pending



\* Depending on configuration

**PERFORMANCE**

	<b>60 W X-BAND</b>	<b>50 W Ku-BAND</b>	<b>35 W Ka-BAND</b>
EIRP @ saturation	54.0 dBW	57.8 dBW	61.8 dBW
G/T @ 20° elevation	14 dB/K @ 7.5 GHz	21 dB/K @ 11.8 GHz	21 dB/K @ 20.7 GHz
Polarization	Circular, reversible	X-pol linear, co-pol option	Circular, reversible
Transmit frequency	7.9 - 8.4 GHz	13.75 - 14.50 GHz	30.0 - 31.0 GHz
Receive frequency	7.25 - 7.75 GHz	10.95 - 12.75 GHz	20.2 - 21.2 GHz
Polarization range	NA	190°	NA

**MODEMS**

	<b>iDIRECT INFINITI <sup>1</sup></b>	<b>iDIRECT EVOLUTION <sup>2</sup></b>	<b>SCPC</b>	<b>L-BAND</b>
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 and Point-to-Point .....		Point-to-Point and Star	NA
Modulation	BPSK, QSPK, 8PSK	BPSK, QSPK, 8PSK, 16APSK,	BSK, QPSK, OQPSK options: 8PSK, 16 QAM	NA
Maximum data rate	D: 21 Mbps U: 11 Mbps	D: 160 Mbps U: 11 Mbps	5 Mbps options: 10 Mbps and 20 Mbps	NA
Data interfaces	LANA and LANB	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	

Other modem options (TRANSEC, Tx Input port, Cables) and modems are available, please see CCT Controller data sheet or contact sales for more information.

**Notes**

- <sup>1</sup> Requires iDirect software version iDX 1.1 legacy or later, or 8.0X to 8.3X.
- <sup>2</sup> Requires iDirect software version 1.1 or later

**TERMINAL OPTIONS**

Color, Surface mounting kit, Ethernet extender, Internal spectrum analyzer, Cables

**SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.**

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Rockwell Collins delivers smart communication and aviation electronic solutions to customers worldwide. Backed by a global network of service and support, we stand committed to putting technology and practical innovation to work for you whenever and wherever you need us. In this way, working together, we build trust. Every day.

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