

SWE-DISH® CCT200 Fly-Away®



Deploys fast to save you from a world of trouble.

The Rockwell Collins SWE-DISH® CCT200 Fly-Away® System with CommuniCase® Technology is designed from the bottom up to be a rugged, easy to transport, quickly deployed satellite earth terminal.

Innovative modular architecture creates a line of easy-to-change terminals designed for the present and future – like all CommuniCase Technology products, the CCT200 Fly-Away 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

- Available in X-, Ku- and Ka-band
- Two-person carry packaging solution includes four cases, total terminal weight CCT200 Fly-Away 125 kg (276 lb)
- The rugged Gregorian dual offset antenna and sturdy construction in carbon fibre with transmission data rate up to 50 Mbps makes it suitable to serve as a portable anchor station supporting several carriers
- Slide-in cassette – makes the easy to-switch multiple modem feature possible
- Compliant to military standards – constructed of rugged materials like carbon fibre and rigorously tested to surpass the toughest conditions and standards (MIL-STD-810F)
- From case to contact typically in under ten 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

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Building trust every day

GENERAL FEATURES

Antenna aperture	2.0 x 1.4 m (78.7 x 55.1 in) Gregorian offset antenna
Antenna positioning	Automatic positioning through GPS, electronic compass and inclinometer
Azimuth range	335°
Elevation range	10 - 90°
Size	Stowed (w/o leg extensions): 104 x 66 x 57 cm (40.9 x 26.0 x 22.4 in) Deployed (at 19.5 degrees elevation): 236 x 313 x 228 cm (92.9 x 123.2 x 89.8 in)
Weight	125 kg (276 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 15 m/s (33.5 mph) X- and Ku-band, w/o wind stays Max 20 m/s (44.7 mph) X- and Ku-band, with wind stays Max 10 m/s (22.3 mph) Ka-band, w/o wind stays Max 20 m/s (44.7 mph) Ka-band, with wind stays
Survival wind speed	Max 25 m/s (55.9 mph)
Operational altitude	Max 3,000 m (9,850 ft)
Sealing class	IP65
Packaging	Four case, two-male carry solution (i.e. max 74.4 kg/case) total weight: 274 kg (604 lb), footprint 80 x 120 cm. According to MIL-STD-1472F.
Certifications	Certified on SkyNet (X-band) WGS Certified (X and Ka-band) CE Certified according to 1999/5/EC R&TTE and 2006/42/EC Machinery Directives

PERFORMANCE

	60 W X-band	50 W Ku-band	35 W Ka-band
EIRP (min @ midband)	58.1 dBW @ P1dB	61.9 dBW @ P1dB	61.8 dBW @ Pmax lin
G/T @ 20° elevation	20.7 dB/K (typ @ midband)	23.6 dB/K (typ @ midband)	26.2 dB/K (typ @ midband)
Polarization	Circular, reversible	X-pol linear, co-pol option	Circular, reversible
Transmit frequency	7.9 - 8.4 GHz	13.75 - 14.5 GHz	30.0 - 31.0 GHz
Receive frequency	7.25 - 7.75 GHz	10.7 - 12.75 GHz	20.2 - 21.2 GHz
Polarization range	NA	190°	NA

MODEMS

	ND SATCOM SkyWAN	IDIRECT EVOLUTION	SCPC	L-BAND
Exchange time	Less than three 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	QSPK, 8PSK	BPSK, QPSK, 8PSK, 16APSK	BSK, QPSK, OQPSK, options: 8PSK, 16 QAM	NA
Maximum data rate	10 Mbps	D: 160 Mbps U: 11 Mbps	5 Mbps	NA options: 10 Mbps and 20 Mbps
Data interfaces	LAN	LANA and LANB	Serial and 2 LAN Bridge	Tx + Rx (L-band)
M&C interfaces	Monitor port (L-band) and LAN	Monitor port and LAN	LAN and RS232	LAN and RS232

Other modem options (Tx Input port, Cables) and modems are available, please contact sales for more information.

TERMINAL OPTIONS

Tracking, Internal spectrum analyzer

SPECIFICATIONS ARE 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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