



Defying Boundaries by Design™

Quick Deploy Terminals

CommuniCase® Technology (CCT) 90/120/200

When you need quick connectivity in a remote location, DataPath's line of SWE-DISH® CCT terminals is your solution. For more than two decades news crews, first responders, industrial sites, and military units all over the world have been relying on DataPath for fast, durable portable satellite terminals.

The DataPath CCT line of terminals is designed to be rugged, easy to transport, and quickly deployable. These compact terminals come in three sizes, and feature interchangeable components that give you a wide range of capabilities while minimizing your equipment purchase.

FROM CASE TO CONNECTED IN MINUTES

The quick-deploy systems offer automated satellite acquisition with motorized antenna pointing and optimization driven by user-entered or pre-programmed satellites, satellite channels, and transmission channels. With no tools required, easy one-person operation, the CCT system will be ready for transmission in minutes.



COMMON MODULAR ARCHITECTURE

Interchangeable modules allow you to customize for mission, portability, speed and budget. Maximize your investment and adapt to future needs by changing key characteristics of your CCT system for different frequency bands, power levels and modem types.

With plug-and-play usability, the built in monitor and control software will automatically recognize the newly connected module and reconfigure the necessary settings without user intervention.

DURABLE MILITARY GRADE SYSTEM

All of our portable satellite terminals are constructed of rugged materials to withstand any condition and are tightly sealed to keep out sand, dust and water. They are rigorously tested to surpass the toughest environments and standards.

WHY CHOOSE CCT?

- Slide-in modem cassette for ease of use
- From case to connected in 5 to 10 minutes
- Compliant to military standards (MIL-STD-810F)
- All CCT products have a common user interface

HIGHLY-RELIABLE TRANSMISSION

Two-wire serial bus for Controller Area Networking provides high-transmission reliability, a high degree of real-time capability and the ability to function in a difficult electrical environment.

SATCOM SECURITY

Three levels of password-protected access allow for various user types and skills, from operator-only access to full access for configuration of files and technical monitoring.

CUSTOM PACKAGING

Different packaging solutions are available including courier case, IATA case, backpack and a softcase option.



**CCT90
Suitcase®**



**CCT120
Suitcase®**



**CCT200
Fly-Away®**

OPERATIONAL CONDITIONS	CCT90	CCT120	CCT200
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		
Operating humidity	Up to 100% condensing		
Solar radiation	Operational in up to 1100 W/m2		

GENERAL FEATURES	CCT90	CCT120	CCT200
Antenna concept	Gregorian offset antenna, elliptical segmented main reflector, folding feed arm with fixed subreflector		
Antenna aperture	0.9 x 0.66 m (35.4 x 26.0 in)	1.2 x 0.84 m (47.2 x 33.1 in)	2.0 x 1.4 m (78.7 x 55.1 in)
Azimuth range	±90°	±90°	335°
Elevation range	10°-90°		
Weight	39 kg (86 lb)	41.7 kg (91.9 lb)	125 kg (275.6 lb)
Certifications	CE Certified according to 1999/5/EC RTTE and 2006/42/EC Machinery Directives		

PERFORMANCE	CCT90			CCT120			CCT200		
	Ku	Ka	X	Ku	Ka	X	Ku	Ka	
EIRP (min @ midband)	54.7 dBW (@ P1dB)	55.9 dBW (@ Pmax lin)	54.2 dBW @ P1dB	57.7 dBW @ P1dB	59.0 dBW @ Pmax lin	58.1 dBW @ P1dB	61.9 dBW @ P1dB	61.8 dBW @ Pmax lin	
G/T @ 20° elevation	15.8 dB/K	16.6 dB/K	15.7 dB/K (typ @ mid-band)	19.0 dB/K (typ @ mid-band)	21.0 dB/K (typ @ mid-band)	20.7 dB/K (typ @ mid-band)	23.6 dB/K (typ @ mid-band)	26.2 dB/K (typ @ mid-band)	
Polarization	Linear, cross-pol	Circular, reversible	Circular, reversible	Linear, cross-pol	Circular, reversible	Circular, reversible	Linear, cross-pol	Circular, reversible	
Transmit frequency (GHz)	13.75-14.50	30.0-31.0	7.9-8.4	13.75-14.50	30.0-31.0	7.9-8.4	13.75-14.50	30.0-31.0	
Receive frequency	10.70-12.75	20.2-21.2	7.25-7.75	10.70-12.75	20.2-21.2	7.25-7.75	10.70-12.75	20.2-21.2	
XPD Tx/Rx @ 1 dB cone over freq band	≥ 30.0 dB/ ≥ 30.0 dB		≥ 30.0 dB/ ≥ 30.0 dB			≥ 30.0 dB/ ≥ 30.0 dB			
AR Tx/Rx @ 1 dB cone over freq band		≤ 1.0 dB/ ≤ 1.5 dB	≤ 1.6 dB/ ≤ 1.0 dB		≤ 1.0 dB/ ≤ 1.2 dB	≤ 1.0 dB/ ≤ 1.0 dB		≤ 1.0 dB/ ≤ 1.0 dB	

Specification subject to change without notice.

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