# DATAPATH™

*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

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## 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 | -46° C to +71° C (-51° F to +160° 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 | | |

| | CCT90 | | CCT120 | | | CCT200 | | |
|---|---|---|---|---|---|---|---|---|
| **PERFORMANCE** | **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 @ midband) | 19.0 dB/K (typ @ midband) | 21.0 dB/K (typ @ midband) | 20.7 dB/K (typ @ midband) | 23.6 dB/K (typ @ midband) | 26.2 dB/K (typ @ midband) |
| 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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