



C-Series SOTM®

Vehicle Mounted Satcom-on-the-Move®

When the mission or assignment takes you off the beaten path, DataPath keeps you connected while on the move. This lightweight, fully enclosed, vehicle-mounted terminal is always connected so you can transmit your voice, data or video instantly. For more than two decades, news crews, first responders, industrial sites, and military units all over the world have relied on DataPath for fast, durable portable satellite terminals, often in the harshest, most remote locations.



QUICK INSTALLATION

The CCT SOTM® can be mounted with standard roof bars or with magnets directly on a suitable surface. This design results in an optimal agile solution for both larger military vehicles with large amounts of equipment and smaller fast-moving vehicles.

INTUITIVE CCT GUI AND FULLY AUTOMATIC POINT-AND-SHOOT

The CCT SOTM® GUI looks identical to the GUI of the other CCT modules.

SLEEK DESIGN

The CCT SOTM® radome occupies a diameter of only 60cm. The integrated height of just 29cm makes it suitable for virtually any type of vehicle.

CCT MODULARITY

The CCT SOTM® expands the capability of the field-proven CCT product line into the on-the-move segment.

ROBUST FOR MILITARY USE

The ruggedized design of the CCT SOTM®, meeting relevant MIL-STD-810 parameters, makes it ideal for both wheeled and tracked vehicles.

DATA RATE PERFORMANCE

Verified performance up to 10 mbps duplex transmission ensures successful video transmission under off road driving conditions.



SPECIFICATIONS

Band	X (Ongoing)	Ku App 30b (Planned)	Ka (25W)
Antenna	390 x 147 mm tuneless wideband waveguide array (4 port)		
Antenna Tracking	Dual GNSS & AHRS, beacon receiver and conical scan		
Azimuth Range	full 360 deg		
Elevation Range	-10 deg to + 190 deg		
Operating Temp.	-40 deg C to +55 deg C (-40 deg F to +131 deg F)		
Storage Temp.	-47 deg C to +71 deg C (-52.6 deg F to +160 deg F)		
Operational Wind Speed	>60 m/s (134 mph), depending on vehicle (radome)		
Operational Rainfall	>100 mm/hr (4 in/hr), protective radome		
Relative Humidity	Up to 100% condensing		
Terminal Weight	32 kg / 70 lbs (excluding BUC)		
Terminal Size	diameter 600mm, height 380mm		
Power Input	90-264 VAC, 19-36 VDC		
Modems	iDirect Evolution, iDirect 950mp, Comtech DMD1050, Teledyne Q-Lite, ND Satcom SkyWAN 1070 & 5G mini, Viasat LinkWay S2, Datum M7L, Advantech SatNet S4100A2, Newtec OEM5001 & MDM3310, UHP200, L-band interface		
CE Certification	CE Certified according to 1999/5/EC RTTE and 2006/42/EC Machinery Directives		
Polarization	Circular, switchable	Linear, cross-pol	Circular, switchable
Transmit Freq. (GHz)	7.9 - 8.4	12.75 - 13.25	29.0 - 31.0
Receive Freq. (GHz)	7.25 - 7.75	10.70 - 11.45	19.2 - 21.2
EIRP @midband (dBW)			47@ Pmaxlin
G/T @ 20 deg El (dB/K)			8.5 (typ @ mid-band)