

CCT ANTENNA SYSTEMS 90-4



◎ ***Deploys fast to save you from a world of trouble.***

Get the story and go with the CCT Antenna System 90-4 module of the CommuniCase® Technology. Future proof line of easy-to-switch modules.

The CCT Antenna System 90-4 - Is one of the seven modules of the CommuniCase® Technology's (CCT) unique architecture providing you with a system that you can change key characteristics easily and cost effectively.

The innovative CCT SDS (Smart Distributed System) detects which CCT Antenna System you use and automatically updates the system and the GUI – no installation, no CDs, no hassle – the GUI will adapt and change!

KEY FEATURES

Compliant to military standards – Constructed of rugged materials like carbon fiber and rigorously tested to surpass the toughest conditions and standards.

High efficiency – A highly efficient Gregorian dual offset elliptical antenna and feed system with high gain and low loss.

Future proof – The CCT Antenna System is one of seven CCT modules, which are allowing you to change key characteristics of your system leveraging your investment – enabling true flexibility.

Compliance – Intelsat and Eutelsat compliant.

Easy change of configuration – The modular design and easy-to-change Antenna System allows you to adapt gain after mission.

No tools – Are required to disassemble the antenna into four segments or change CCT Antenna System.



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GENERAL

Antenna concept	Gregorian offset antenna, elliptical 4-piece main reflector, folding feed arm with fixed subreflector
Antenna aperture	0.9 x 0.66 m (35.4 x 26.0 in)
Azimuth range	±90°
Elevation range	10° - 90°
Polarization	Ref. CCT Transceiver data sheets
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Weight	15.9 kg (35.1 lb)

PERFORMANCE

Ku

Ka

	Ku	Ka
Transmit frequency	13.75 - 14.50 GHz	30.0 – 31.0 Ghz
Receive frequency	10.95 - 12.75 GHz	20.2 – 21.2 GHz
Transmit gain, midband	38.4 dBi	46.0 dBi
Receive gain, midband	37.0 dBi	42.6 dBi
Antenna noise temp.@ elevation 20°	30 K	80 K

OPERATIONAL CONDITIONS

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/m ²