



EMCORE's CoolHub Outdoor Enclosure provides power and environmental protection for up to 16 Optiva transmitters & receivers for RF, Video, Data and Ethernet signals transport. With a weather-tight seal, internal temperature controlled and all the necessary electrical, optical connections and mounting hardware, the CoolHub may be placed directly at the antenna site to provide greater flexibility in system design.



The AC power supplies are redundant, hot-swappable and monitored with a summary alarm, so if one fails the facility staff can replace it and still maintain 100% signal availability. The individual transmitters and receivers are also hot-swappable, thus can be replaced or reconfigured without upsetting any of the other RF paths.

Applications

- Military & Commercial
- TVRO
- Broadcast
- Earth Stations
- Headends
- Trailer-Based Systems

Features

- Weatherized
- Redundant Power Supplies
- AC Input 90 to 264 VAC
- LNB Power
- Hot-Swappable PS, Tx, & Rx
- Modular, Field-Configurable
- Ethernet SNMP M&C Interface

Performance Highlights

Parameter	Minimum	Typical	Maximum	Units
AC Voltage Input	90	-	264	VAC
AC Current Input (including A/C unit)	-	5	10	A
Ambient Air Temperature	-40	-	50	°C

Environmental Specifications

Parameter	Minimum	Typical	Maximum	Units
Storage Temperature	-45	-	+85	°C
Ambient Outside Air Temperature	-40	-	+55	°C
Humidity, Non-Condensing	5	-	95	%
Absolute Maximum Rating (damage may occur beyond these limits)	< -45	-	> +60	°C
Enclosure Dimensions	-	24 x 24 x 12 61 x 61 x 30	-	in cm
Weight	-	205 (180 without modules) 93 (82 without modules)	-	lbs kg
Mounting Dimensions	-	See drawing on page 2	-	in

Ordering Information

Model Number	Description
EMCORE Coolhub Outdoor Enclosure, Optiva 16-Slot	
COOLHUB-01	Enclosure with Grey NEMA cabinet, 500 Watts A/C Unit, internal rail mount for Optiva 16-slot chassis, 110 VAC Input
COOLHUB-02	Enclosure with Grey NEMA cabinet, 500 Watts A/C Unit, internal rail mount for Optiva 16-slot chassis, 220 VAC Input

CoolHub Enclosure – Mounting & Outline Drawing (Drawing measurements are in inches)

