



## Applications

- Military, Commercial & Conduit
- TVRO
- Broadcast
- Earth Stations
- Headends
- Trailer Based Systems
- Fly-Away

## 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

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



The AC 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.

## Performance Highlights

Parameter	Minimum	Typical	Maximum	Units
AC Input	90	-	264	VAC
LNB Power, total for all outputs	-	+17	-	V
	-	-	1.2	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	-	32 x 38 x 12 81 x 97 x 30	-	in cm
Weight	-	160 (55 without modules) 73 (56 without modules)	-	lbs kg
Mounting Dimensions	-	See drawing on page 2	-	in

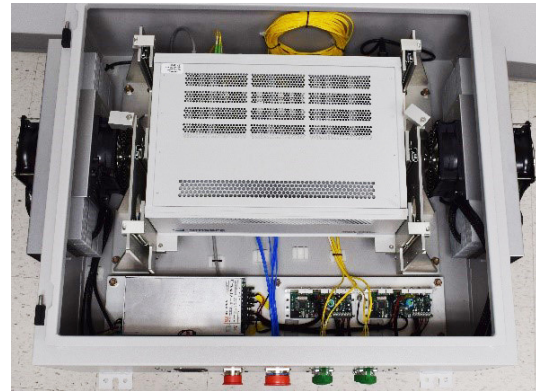
## Ordering Information

Model Number	Description
<b>EMCORE Coolhub Outdoor Enclosure, Optiva 16-Slot</b>	
COOLHUB-03GHZ-08CH-00	Enclosure with Grey NEMA cabinet, Dual TECs, internal rail mount for Optiva 16-slot chassis, 3 GHz bandwidth, 8 channel RF and optical connector
COOLHUB-03GHZ-16CH-00	Enclosure with Grey NEMA cabinet, Dual TECs, internal rail mount for Optiva 16-slot chassis, 3 GHz bandwidth, 16 channel RF and optical connector
COOLHUB-22GHZ-04CH-00	Enclosure with Grey NEMA cabinet, Dual TECs, internal rail mount for Optiva 16-slot chassis, 22GHz bandwidth, 4 channel RF and optical connector
COOLHUB-22GHZ-08CH-00	Enclosure with Grey NEMA cabinet, Dual TECs, internal rail mount for Optiva 16-slot chassis, 22 GHz bandwidth, 8 channel RF and optical connector
COOLHUB-40GHZ-04CH-00	Enclosure with Grey NEMA cabinet, Dual TECs, internal rail mount for Optiva 16-slot chassis, 40 GHz bandwidth, 4 channel RF and optical connector
COOLHUB-40GHZ-08CH-00	Enclosure with Grey NEMA cabinet, Dual TECs, internal rail mount for Optiva 16-slot chassis, 40 GHz bandwidth, 8 channel RF and optical connector

## CoolHub Enclosure - Front View



## CoolHub Enclosure - Inside View



## CoolHub Enclosure - Heat Sink Mount (Drawing measurements are in inches)

