

HMS-07009

Gigabit PoE Injector

Specifications

Data Rates	10/100/1000 Mbps
Power over Ethernet Output	Pin Assignment and Polarity: 4/5 (+), 7/8 (-) Output Power Voltage: -48V User Port Power: 16.8W max.
Input Power Requirements	AC Input Voltage: 90 to 264 Vac AC Input Current: 0.4A @ 110 Vac /0.2A @ 220 Vac AC Frequency: 47 to 63 Hz
Indicators	AC Powered (Red), Channel Powered (Green), Channel Alarm (Red)
Connectors	2 Shielded RJ-45, EIA 568A and 568B
Environmental Conditions	Operating Ambient Temperature: -25 to 50°C Operating Humidity: Maximum 90%, Non-condensing Storage Temperature: -40 to 85°C Storage Humidity: Maximum 93%, Non-condensing
Dimensions	85 mm (L) x 78 mm (W)x 36 mm (H)
Weight	150 g

802.3af compliant 48V/0.35A output PoE injector

7. RJ45 pin assignment: @1000MBASE

Pin	RJ-45 Input (Data Only)		RJ-45 Output (Data & Power)	
	Symbol	Description	Symbol	Description
1	BI_DA+	Data Pair A+	BI_DA+	Data Pair A+
2	BI_DA-	Data Pair A-	BI_DA-	Data Pair A-
3	BI_DB+	Data Pair B+	BI_DB+	Data Pair B+
4	BI_DC+	Data Pair C+	+Vdc + BI_DC+	power(+)+Data Pair C+
5	BI_DC-	Data Pair C-	+Vdc + BI_DC-	power(+)+Data Pair C-
6	BI_DB-	Data Pair B-	BI_DB-	Data Pair B-
7	BI_DD+	Data Pair D+	-Vdc + BI_DD+	power(-)+Data Pair D+
8	BI_DD-	Data Pair D-	-Vdc + BI_DD-	power(-)+Data Pair D-



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PRELIMINARY



HMS-07009

Surge/lightning Protection

Operating Voltage
Clamping Voltage
Peak Pulse Current
Pin Protected
Max. Shut Capacitance

IEC COMPATIBILITY (EN61000-4)

Signal
Data 5V
Data 16.5V (@I PP =5A, t p =8/20μs, I/O pin to GND)
20A (tp=8/20μs)
All 8 pin protected
<3pF (VR = 0V, f = 1MHz, I/O pin to GND)
< 1.5 pF (VR = 0V, f = 1MHz, Between I/O pins)
IEC61000-4-2 (ESD) ±15kV (air), ±8kV (contact)
IEC61000-4-4 (EFT) 40A (5/50ns)
IEC61000-4-5 (Lightning) 20A (8/20μs)



PRELIMINARY