

# HMS-07007

## Gigabit PoE Injector

### Specifications

Data Rates	10/100/1000 Mbps
Power over Ethernet Output	Pin Assignment and Polarity: Output Power Voltage: +48V User Port Power: 24W max. Max. load: 0.5A Min. load: 0.01A Load reg. : 5% Line reg. : 1% Ripple: 1% Noise: 1%
Input Power Requirements	AC Input Voltage: 90 to 264 Vac AC Input Current: 0.45A @ 120 Vac /0.25A @ 230 Vac AC Frequency: 47 to 63 Hz
Indicator	Indicates PWR LED (Green)
Connectors	2 Shielded RJ-45, EIA 568A and 568B
Environmental Conditions	Operating Ambient Temperature: -25 to 50°C Storage Temperature: -40 to 85°C Operating Humidity: 5% - 90%
Dimensions	85 mm (L) x 78 mm (W)x 36 mm (H)
Weight	150 g

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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Datasheet Download

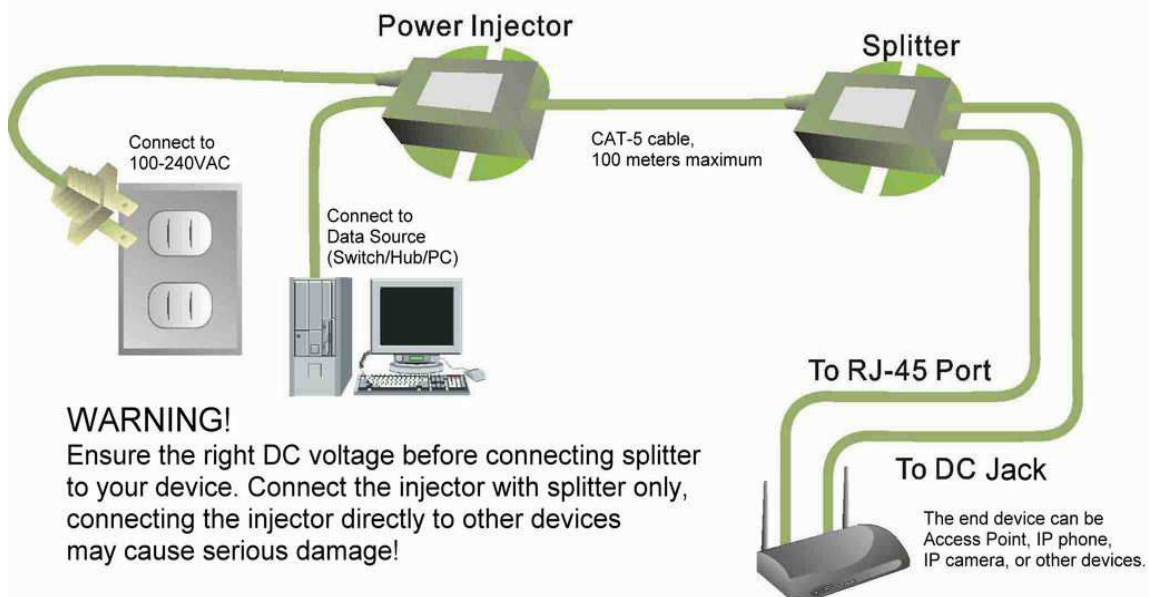


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## Surge/lightning Protection

Operating Voltage	Signal
Clamping Voltage	Data 5V
Peak Pulse Current	Data 16.5V (@I PP =5A, t p =8/20μs, I/O pin to GND)
Pin Protected	20A (tp=8/20μs)
Max. Shut Capacitance	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)
IEC COMPATIBILITY (EN61000-4)	IEC61000-4-2 (ESD) ±15kV (air), ±8kV (contact)
	IEC61000-4-4 (EFT) 40A (5/50ns)
	IEC61000-4-5 (Lightning) 20A (8/20μs)

### Application of POE ( Power over Ethernet )



PRELIMINARY