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# Comms Extender

## CXC HP Smart Peripheral



- Repeats CAN Packages between MAIN & SUB BUS
- Allows bus extension via T type connections
- Supports connections of up to 1000' for a single line
- Injects CAN power into SUB BUS CAN connector when auxiliary power is provided
- Provides isolation between MAIN & SUB BUS

### The Comms Extender allows for extension of CAN-networks and the use of new topologies.

The Comms Extender further enhance the communications capabilities of EnerSys smart power products. The re-transmission of communications packets over the CAN BUS ensures that power products will meet the quality and robust communication demands put on today's power management systems.

The T-connect configuration electrically separates the line between the MAIN and SUB BUS. Signal cleanup and boost into the SUB BUS enhance the CAN communication beyond the inherent radius limitation of CAN networks. A single expansion kit can provide up to 1000 feet of wired communication to link different components of the EnerSys Power system.

Another feature of the Comms Extender is the power injection onto the SUB BUS occurs when auxiliary power is provided via the external power connection. This allow the expansion of power systems by adding power modules to systems that were otherwise limited by the number of nodes supported due to the limited CAN power.

# Comms Extender CXC HP Smart Peripheral

Electrical		
Input Voltage:	12 to 60 Vdc	
Input Current:	2A max	
Maximal Number of Comms Extender:	2	
Mechanical		
Dimensions:	<b>mm:</b> 83.5Hx131Wx37.3D <b>inches:</b> 3.3Hx5.15Wx1.45D	
Weight:	0.2kg (0.45lb)	
Environmental		
Temperature:	-40 to +65°C (-40 to 149°F)	
Humidity:	0 to 95% RH non-condensing	
Agency Compliance		
Safety:	CSA C22.2 60950-1 CE	
EMC:	<b>Emissions:</b> CFR47 (FCC) part 15 Class B EN5532 (CISPR 22) Class B	
	<b>Immunity:</b> ETSI 300 386 EN 61000-4-2/3/4/5/6	
Features		
LED:	Power (Blue) COM. Main BUS (Green) COM. Sub BUS (Green)	
Galvanic Isolation:	Main BUS SUB BUS AUX	
Redundant Power Option:	Aux PWR or CAN PWR	
Part Numbers and Ordering Options		
Base Module:	Standalone Comms Extender	P/N: 0180082-001
Mechanical:	Din rail mount kit	P/N: 0370196-001
	Mounting adapter for 3U Rack Mount Panel	P/N: 5902352-001
CAN Cables, RJ-12 Offset:	1'	P/N: 877-176-26
	2'	P/N: 877-176-23
	6'	P/N: 877-176-23
	25'	P/N: 877-176-25
	50'	P/N: 877-176-30
	100'	P/N: 877-176-31
	200'	P/N: 877-176-33
Miscellaneous:	CAN Terminator	P/N: 7400644-001
	CAN to ETHERNET cable adapter	P/N: 7400728-001



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