

PCOMM-801A&802A

Communication Box



Chint Power smart combox integrated multi-functional data logger and suitable for C&I and utility systems at different voltage levels. With the function of physical channel conversion, communication protocol conversion, it can meet the requirements of serial inverters data logger, such as Modbus acquisition, Modbus configuration visualization, inverter software batch upgrade and other services. The combox can also compatible with normal& double split transformer application. It has two AC-PLC connectors and each can connect up to 32 inverters.

The data acquisition can support various protocol and it can connect various devices from different manufactures to the background monitoring management platform through Ethernet (IEC104, TCP), RS232 and RS485, Meanwhile it has DI, DO, AI, AO and PT100 connectors for multiple application.

Main Features

- Compatible with normal&double split transformer application.
- Comply with all Chint Power inverters.
- Pre-configured for Plug & Play.
- Capability with Chint Power O&M platform.
- Hardware mounted and pre-wired.
- IP65 rated enclosure.
- Support local real-time monitoring.

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Environment Data	COMBOX V1 (PCOMM-801)	COMBOX V2 (PCOMM-802)
Communication		
Operating Temperature	-30°C - 60°C with an awning	
Ambient Humidity	5%-95%, Non-condensing	
Storage Temperature	-40°C - 70°C	
Altitude	≤4000m	
Ingress Protection	IP65	
Product Parameters		
Product Description	Including: 1*Data Logger, 1*AC-DC Converter, 1*Air Circuit Breaker, 1*Ethernet Switch Support: Ethernet (Standard), 4G (Optional)	Including: 1*Data Logger, 2*AC-DC Converters, 2*Air Circuit Breaker, 1*Ethernet Switch Support: Ethernet (Standard), 4G (Optional)
Electric Parameters		
AC Input	100 - 240 Vac, 50/60 Hz	
AC-PLC Voltage	1*380V-800Vac, Three-phase	2*380V-800Vac, Three-phase
Communication Interface		
RS232	2*4800 - 115200bps	
RS485	4*4800 - 115200bps	
Ethernet Optical Port	2*Optical fiber (single-mode, 1310nm optical module)	
Digital / Analog Input / Output	DI*8, DO*4, AI*4, AO*1	
PT100	2	
HPLC	Multi-core cables: 1000m; Single-core cables: 300m (the three-phase cables must be bound at an interval of 1m) ^[1]	
Communication Protocol		
Ethernet	Modbus-TCP, IEC 60870-5-104	
RS485	Modbus-RTU, IEC 60870-5-103 (standard), DL / T645	
Mechanical Parameters		
Dimensions (W*H*D)	550mm * 620mm * 260mm	
Weight	10kg	12kg

Note [1]: RS485 communication is recommended if the AC cable is longer than 300 m.