



CHINT POWER SMART COMMUNICATION

The Chint Power Smart Combox is an integrated multifunctional data collector suitable for CFI and utility systems at various voltage levels. With its physical channel conversion and communication protocol conversion capabilities, it meets the data collection requirements for serial inverters, such as Modbus data acquisition, Modbus configuration display, bulk inverter software updates, and other services. The Combox also supports applications involving standard and split-core transformers. It features two AC-PLC connectors, each capable of connecting up to 32 inverters.

Data acquisition supports multiple protocols and can connect various devices from different manufacturers to the backend management and monitoring platform via Ethernet (IEC104, TCP), RS232, and RS485. Additionally, it features DI, DO, AI, AO, and PT100 connectors for multiple applications.

Features

- Compatible with all Chint Power inverters
- Preconfigured for Plug & Play
- Compatible with the Chint Power O&M platform
- Hardware assembly and pre-wiring
- IP65-rated enclosure
- Compatible with local real-time monitoring

Model Name	PCOMM-801A	PCOMM-802A
Environmental Data		
Operating Temperature	-30 °C to 70 °C	
Ambient humidity	5%–95%, non-condensing	
Storage temperature	-40 °C ~ 85 °C	
Altitude	≤4000 m	
Ingress protection	IP65	
Maximum number of inverters	32	64
Product Specifications		
Product Description	Includes: 1*Data logger, 1*Converter, 1*Air circuit breaker , 1*Ethernet switch, 1*PLC Compatible with: Ethernet (standard), 4G (optional)	Includes: 1*Data Logger, 2*Converters, 2*Air Circuit Breakers, 1*Ethernet Switch, 2*PLCs Compatible with: Ethernet (standard), 4G (optional)
Electrical Specifications		
AC Input	100–240 VAC, 50/60 Hz	
AC-PLC Voltage	380 V–800 VAC, three-phase	
Communication Interface		
RS232	2 × 50–115.2 bps	
RS485	4 × 50–921.6 bps	
Ethernet	2×10 M/100 M/1000 Mbps	
SFP (Optional)	2×100 M/1000 Mbps	
Digital/Analog Input/Output	DI*8, DO*4, AI*4, AO*1	
PT100	2	
Communication Protocol		
Ethernet	Modbus-TCP, IEC 60870-5-104	
RS485	Modbus-RTU, IEC 60870-5-103 (standard), DL/T645	
Mechanical Specifications		
Dimensions (Width × Height × Depth)	550 mm x 620 mm x 260 mm	
Weight	10 kg	12 kg