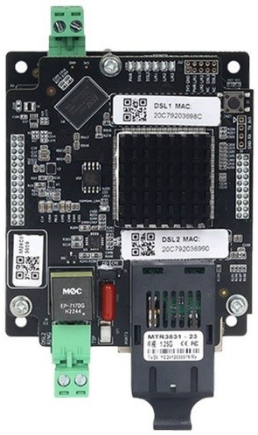
Cport1204A-GF-2GT

2×DSL Gigabit Embedded Intrinsically Safe Ethernet Extender



- 2 x 1G copper ports, 1 × 1G fiber port, 2 × DSL ports
- DSL port enables long-distance communication over twisted pair, extending the transmission distance of Compliant with ITU G.993.2 VDSL2 standard, supporting 17a and 30a frequency profiles
- Support Central Office (CO) and Customer Premises Equipment (CPE) configuration
- DC12~24V power input, intrinsically safe circuit design
- -20°C ~ +60°C operating temperature range

Product Description

Cport1204A-GF-2GT is an embedded intrinsically safe Ethernet extender designed for dedicated industrial communication network transmission applications. It features 2 ×1G copper ports, 1 × 1G fiber port, 2 × DSL ports, and 1 × DC12~24V power input, meeting intrinsic safety design requirements. The Gigabit Ethernet interfaces adopt store-and-forward mechanism, providing high bandwidth processing capability, automatic packet error detection, and reduced transmission failures to ensure stable, reliable, and efficient data transmission.

The DSL ports comply with ITU-T G.993.2 standard and are compatible with G.992.1/2/3/4/5, supporting VDSL2, ADSL, ADSL2, and ADSL2+. Using digital subscriber line technology, terminal devices can access the Internet through DSL links. The DSL interfaces are connected in pairs, with one end as the Central Office (CO) and the other as Customer Premises Equipment (CPE), transmitting Ethernet signals over a twisted pair for long-distance communication up to 3km. This overcomes the 100-meter limitation of copper Ethernet ports, reducing network equipment and cabling costs, while providing high-bandwidth, low-latency, and reliable communication for industrial automation.

This Ethernet extender adopts an intrinsically safe design and embedded installation, supporting operating temperatures from -20°C to +60°C. With industrial-grade components and having tested for functionality, temperature, safety, and EMC, Cport1204A-GF-2GT ensures reliable performance in harsh industrial environments. It is widely applicable in industrial automation, integrated energy, smart cities, intelligent transportation, smart factories, and other industrial applications.

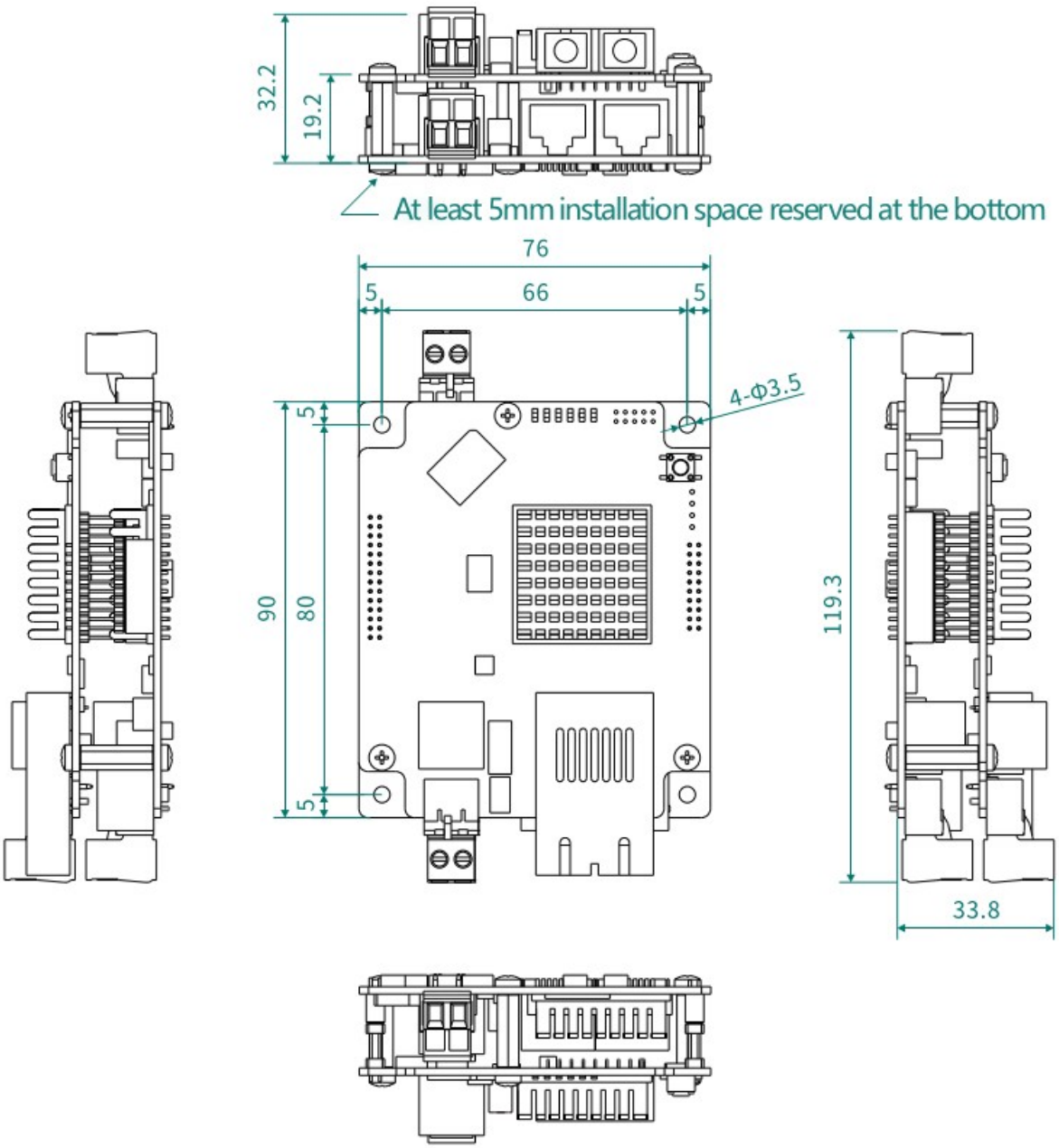
Technical Specifications

Switch Capability	
Processing Type	Store-and-Forward
Backplane Bandwidth	12Gbps
Jumbo Frame	2000Byte
Interface	
DSL	DSL Standard: ITU G.993.2, compatible with G.992.1, G.992.2, G.992.3, G.992.4, G.992.5 Number of ports: 2*DSL ports Connection: 2-position 5.08mm pitch terminal block Maximum transmission rate: Upstream 100 Mbit/s, Downstream 100 Mbit/s (theoretical, 30a) Transmission distance: 300m @ 80Mbps, 1km @ 34Mbps, 2km @ 8Mbps, 3km @ 2Mbps (Tested with HSYV 2×0.5 twisted pair, for reference only; shorter distances and higher-quality cables can achieve higher transmission rates) Cable requirements: 2-core twisted pair telephone line with wire gauge ≥0.5mm², twist pitch <25mm CO/CPE setting: DSL1 default as CPE, DSL2 default as CO
1G Fiber Port	1 × 1000Base-X fiber port, compatible with 100 Base-FX, SC/FC/ST, simplex/duplex fiber, transmission distance 40/60/80km
1G Copper Port	2 × 10/100/1000 Base-T(X) auto-sensing RJ45 copper ports, full/half duplex, auto MDI/MDI-X
Button	Factory reset
Status LED	Power indicator, DSL port indicator, Ethernet port indicator, support for external indicator signal output
Power Supply	

Input Voltage	DC12~24V
Power Consumption	≤9.3W@DC12V
Connection	2-position 5.08mm pitch terminal block
Protection	Overcurrent protection, overvoltage protection, reverse polarity protection, pre-charge
Physical Characteristics	
Dimensions	90×76×32.2 mm (connectors excluded)
Installations	Embedded
Weight	About 0.14kg
Working Environment	
Operating Temp	-20°C ~+60°C
Storage Temp	-40°C ~+85°C
Relative Humidity	5%~95% (non-condensing)

Dimensions

Unit: mm



Ordering Information

Standard Model	DSL Port	Gigabit Fiber Port	Gigabit Copper Port	Input Voltage
Cport1204A-GF-2GT	1	1	2	DC12~24V



Contact Us

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