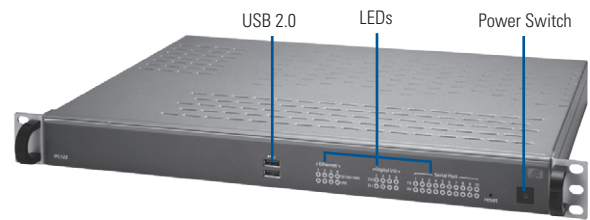


IPC122-833-FL

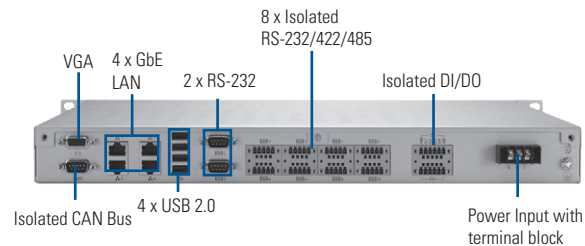
IEC 61850-3/IEEE 1613 certified 1U Rack-mount Fanless Embedded Computer with Intel® Atom™ Processor N2800 Multiple Isolated LAN, Isolated COM, CAN Bus and DIO

Features

- IEC 61850-3 and IEEE 1613 certified for substation automation
- Highly efficient heat conduction with fanless design
- Intel® Atom™ processor N2800 (1.86 GHz)
- DDR3-800/1066 SO-DIMM, up to 4GB
- Isolated COM, LAN, CAN Bus and DIO ports
- One 2.5" SATA HDD and one CFast™ socket
- Wide temperature from -10°C to +55°C
- 100 ~ 240VAC and 134 ~ 370VDC wide range power input



▲ Front view



▲ Rear view



Specifications

Standard Color	Silver
Construction	Heavy-duty cold-rolled steel, IP30
CPU	Intel® Atom™ processor N2800 (1.86 GHz) onboard
System Board	SBC87833
BIOS	AMI UEFI BIOS
System Memory	1 x 204-pin DDR3-800/1066 SO-DIMM, up to 4GB
I/O Interface-Front	1 x Power on/off, 1 x Reset, 2 x USB 2.0
I/O Interface-Rear	Serial Port
	2 x RS-232
	8 x isolated RS-232/422/485
	ESD protection: 2.5KV
	LAN
	4 x 10/100/1000 Mbps Ethernet
	Magnetic isolation protection: 1.5KV
	USB
	4 x USB 2.0
	DIO
	1 x isolated DI/DO (4-IN/4-OUT)
	DI:
	Input range: 0~30 VDC at 25Hz
	Logic level 0: Close to GND
	Logic level 1: Open
	DO:
	Logic level 0: +/-12 VDC min to +/-30 V max. (source to DI)
	Logic level 1: 0 min. to +/-3 VDC max.
	VGA
	1 x DB15 connector
	Power Input
	1 x Power input with terminal block
	CAN Bus
	1 x CAN Bus (DB9 Connector)
	Magnetic isolation protection: 2.5KV

Watchdog timer	1 sec, 255 levels
LEDs	System: 1 x Power, 1 x HDD Gigabit LAN: 4 x Active, 4 x Link Serial: 10 x TX, 10 x RX Digital I/O: 4 x DI, 4 x DO
Storage	1 x On board CFast™ socket 1 x 2.5" SATA HDD drive bay
Installation	Rack mount
Power Supply	Power Input
	AC: 100 ~ 240 VAC, 2.5A, 50/60Hz DC: 134 ~ 370 VDC, 2.5A
	Power Protection
	SCP (Short Circuit Protection) OVP (Over Voltage Protection)
Power Consumption	45 W
Operating Temperature	-10°C ~ +55°C (14°F ~ 131°F) (with W.T. HDD)
Storage Temperature	-20°C ~ +80°C (-4°F ~ +176°F)
Humidity	10% ~ 90%, non-condensing
Dimensions	427 mm (16.81") (W) x 301 mm (11.85") (D) x 44 mm (1.73") (H)
Weight (net/gross)	5.02 kg (11.07 lb)/ 6.02 kg (13.27 lb)
Certification	IEC 61850-3, IEEE 1613, CE

Ordering Information

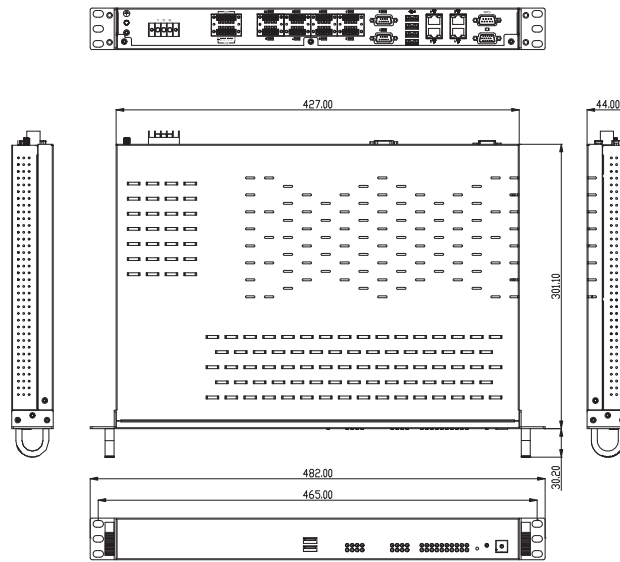
IPC122-833-FL (P/N: E26G122100)	IEC 61850-3 and IEEE 1613 certified 1U fanless barebone system with Intel® Atom™ processor N2800, multiple LAN and multiple COM
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*Specifications and certifications are based on options and may vary.

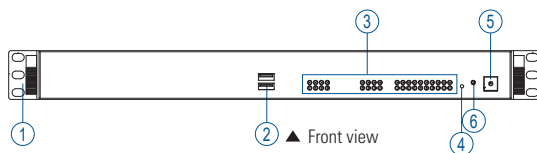
Packing List

1 x IPC122-833-FL unit
1 x Utility CD
1 x Screw pack
4 x Foot pad
2 x Thermal pad for DRAM
2 x Rack mount handle
2 x Rack mount Ear
1 x HDD Mylar
8 x 5-Pin Phoenix connector
2 x 6-Pin Phoenix connector

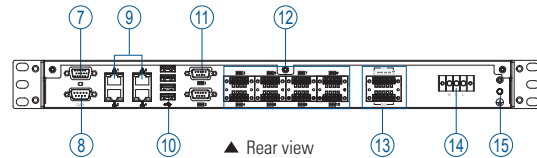
Dimensions



Front & Rear Metal Panel I/O Layout



- 1. 19-inch
- 2. USB 2.0 x 2
- 3. LEDs
- 4. Reset button
- 5. Power button
- 6. HDD LED
- 7. VGA
- 8. CAN Bus
- 9. 10/100/1000 Mbps Ethernet x4
- 10. USB 2.0 x 4
- 11. RS-232 Serial port x2 (DB 9 male)
- 12. RS-232/422/485 Serial port x8 (terminal block)
- 13. DI x4, DO x4 (terminal block)
- 14. AC power input
- 15. GND



- 7. VGA
- 8. CAN Bus
- 9. 10/100/1000 Mbps Ethernet x4
- 10. USB 2.0 x 4
- 11. RS-232 Serial port x2 (DB 9 male)
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