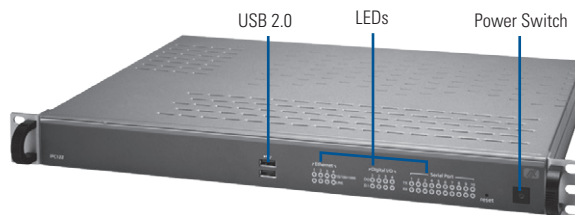


# IPC122-833-FL

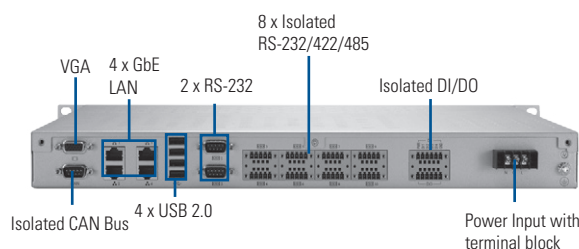
IEC 61850-3/IEEE 1613 certified 1U Rack-mount Fanless Embedded Computer with Intel® Atom™ Processor N2800 Multiple Isolated LAN, Isolated COM, CAN Bus and DIO

## 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

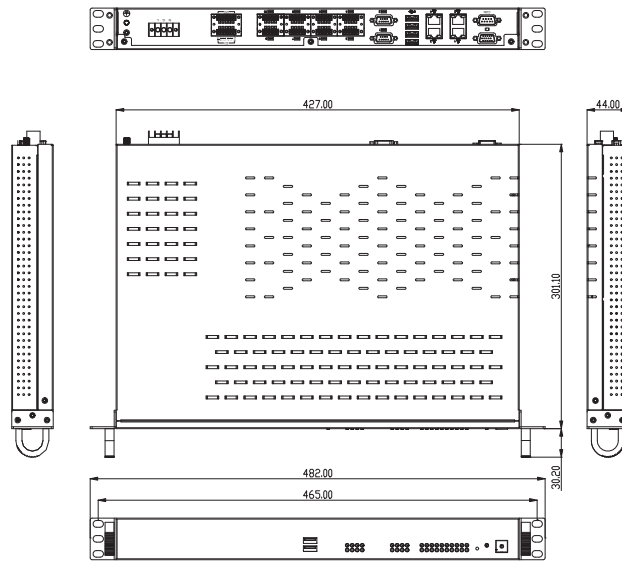
IPC122-833-FL (P/N: E26G122100)	IEC 61850-3 and IEEE 1613 certified 1U fanless barebone system with Intel® Atom™ processor N2800, multiple LAN and multiple COM
------------------------------------	---

\*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

