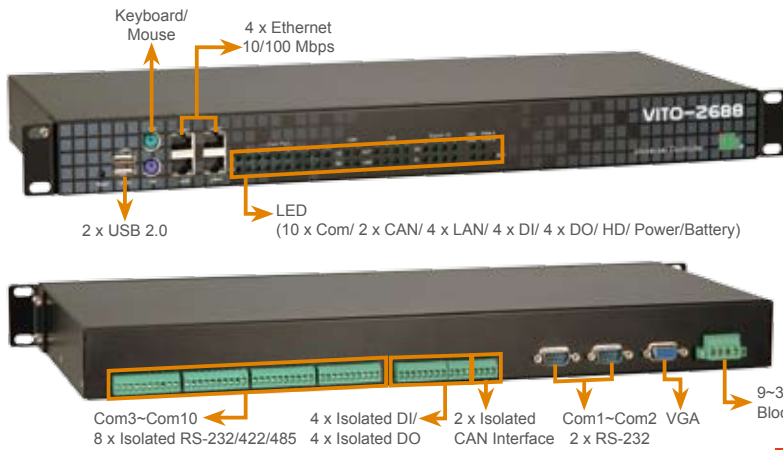


# VITO-2688

**Industrial Communication Server**  
with ULV Intel® Celeron® M 1 GHz, 4 x LAN, 10 x COM, 2 x USB, 2 x isolated CAN, 4 X isolated DI, 4 X isolated DO



## Features

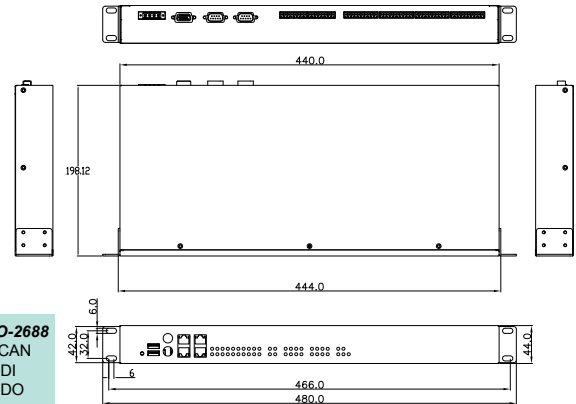
- ULV Intel® Celeron® M 1GHz zero cache processor
- Supports 512 MB up to 1 GB memory
- Two RS-232 (9-pin D-SUB)
  - Eight isolated RS-232/422/485 (5-pin screw terminal) ports with automatic flow control
- Four 10/100 Mbps Ethernet RJ-45 ports and two USB ports
- Windows® XP Embedded ready platform
- Included remote display for easy configuration
- Provides Modbus RTU/ASCII to Modbus TCP Gateway utilities
- Supports Modbus/RTU and Modbus/TCP devices
- Support DI/DO/AI and CAN Bus options
- Supports IEC OPC server software
- 19" 1U form factor



## Specifications

System hardware	CPU	ULV Intel® Celeron® M 1 GHz / Zero Cache
	System chipsets	Intel® 852GM + ICH4
	Memory socket	1 x 200-pin 1 GB (max.) 266/200 MHz DDR SDRAM SO-DIMM
	Memory size	512 MB
	Keyboard/mouse	2 x PS/2
	Expansion slots	-
	PC/104	-
	Printer port	-
	Storage interface	1 x CF type II slot 1 x IDE
	Storage	1 G CF card or 2.5"/1.8" 40 G HD (optional)
VGA	1 x VGA 15-pin D-SUB output support up to 1600 x 1200	
Audio	-	
I/O & communication	Watchdog timer	Programmable
	LAN	4 x Ethernet (10/100Base-T with RJ-45 port) 2 x RS-232 (9-pin D-SUB)
	Serial port	8 x isolated RS-232/422/485 with 5-pin screw terminal automatic RS-485 data flow control
	USB port	2 x USB 2.0
Channel	<b>Model name</b>	<b>VITO-2688</b>
	<b>Communication interface</b>	2-channel isolated CAN Bus
	<b>Digital input</b>	4-channel isolated DI
	<b>Digital output</b>	4-channel isolated DO
Channel hardware	<b>Analog input</b>	-
	Digital input signal	2000 VDC isolated protection, 2000 VDC ESD protection 70 VDC over-voltage protection 0 ~ 50 VDC input range & 10 kHz speed Dry contact levels (0: GND, 1: Open) Wet contact levels (0: +2 V max, 1: +4 V ~ +50 V)
	Digital output signal	DO ch 2000 VDC isolation and 200mA max/ch sink current keeps. Keeps output status after system hot reset. 5~30 VDC output range and 10kHz.
	Analog input signal	-
Power	CAN communication interface	Compatible with CAN specifications 2.0 3000VDC isolated by photo coupler for dual ports.
	Power input	9~36 VDC (e.g +24 V@1A) (min.24 W), AT
Environmental	Power consumption	20W
	Operation temperature	0 ~ 60°C
	Humidity	5% ~ 95% RH without condensation
	Vibration	5~17 Hz, 0.1" double amplitude displacement, 17~640 Hz, 1.5 G acceleration peak to peak
General	Shock	10 G acceleration peak to peak. (11ms)
	Dimensions (WxDxH)	480 mm x 198.12 mm x 42 mm
	Construction	Aluminum extrusion, heavy-duty steel chassis
	Mounting	19" 1U rack mount
	Weight	2.8 kg
	OS support	Windows® XP Embedded / Linux (OEM/ODM)

## Dimensions (mm)



**45W AC/DC Adapter**  
Part No: 63000-UP0451E24P56L-RS

## Packing List

- 1 x VITO-2688
- 1 x Utility CD including SDK, utilities, and technical documents
- 1 x Null modem cable
- 1 x Screw kit
- 1 x Rack mount kit

## Options

PART NO	DESCRIPTION
VITO-CF-2688XPE-R10	1 GB CF memory card with built-in Windows® XP Embedded OS image, licensed sticker, and SLD S/W CD
IEIOPC-CSXPE-R10	IEI OPC server support Modbus /TCP/RTU mode protocol slave devices for Windows® XP Embedded (including local side OPC simple client view, configuration tool)
63000-UP0451E24P56L-RS	24 VDC 45 W power adapter with bare wire; 90~264 VAC input

## Ordering Information

PART NO	DESCRIPTION
VITO-2688-R10	Industrial communication server with ULV Intel® Celeron® M 1GHz, 512 MB 400 MHz DDR SDRAM, 1 x VGA, 4 x LAN, 10 x COM, 2 x USB, 2 x isolated CAN, 4 x isolated DI, 4 x isolated DO