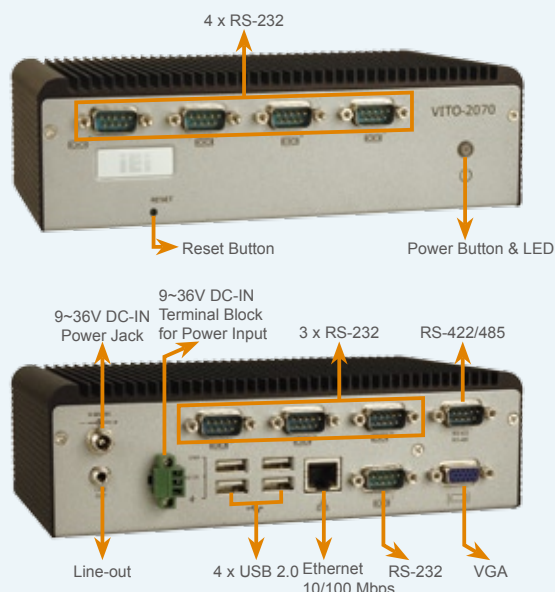


VITO-2070

Multiport Data Collector with AMD® Geode™ LX 800 500 MHz, 1 x LAN, 8 x COM, 4 x USB, I/O support DI/DO/AI and CAN Bus



Features

- AMD® Geode™ LX 800 500 MHz processor
- Eight RS-232 (9-pin D-SUB), one RS-422/485 (9-pin D-SUB) port with automatic flow control
- One 10/100 Mbps Ethernet RJ-45 port and four USB ports
- Windows® CE 5.0, Windows® XP Embedded ready platform
- Audio with Line out
- Included remote display for easy configuration
- Provides Modbus RTU/ASCII to Modbus TCP Gateway utilities
- Supports Modbus/RTU and Modbus/TCP devices
- Power adapter with lock screw or bare wire connector type
- DIN-rail and wall mounting options



Specifications

System hardware	CPU	AMD® Geode™ LX800 500 MHz
	System chipsets	AMD® Geode LX800 + AMD® CS5536
	Memory socket	1 x 200-pin 1 GB (max.) 400/333 MHz DDR SDRAM SO-DIMM
	Memory size	256 MB
	Keyboard/mouse	-
	Expansion slot	-
	PC/104	1 x PC/104
	Printer port	-
	Storage interface	1 x CF type II slot
	Storage	256 M/1 G CF card
	VGA	1 x 15-pin D-SUB VGA output supports up to 1600 x 1200
	Audio	1 x line out
	Watchdog timer	Programmable
I/O & communications	LAN	1 x Ethernet (10/100Base-T with RJ-45 port)
	Serial port	Windows® XP Embedded : 7 x RS-232 (9-pin D-SUB), 1 x RS-422/485 with 9-pin D-SUB connector automatic RS-485 data flow control Windows® CE 5.0 : 3 x RS-232 (9-pin D-SUB), 1 x RS-422/485 with 9-pin D-SUB connector automatic RS-485 data flow control
	USB port	4 x USB 2.0
Channel Hardware	Digital input signal	DI ch. 2,000 VDC isolation, 2,000 VDC ESD protection and 70 VDC overvoltage protection 0 ~ 50 VDC input range and 10 kHz speed Digital input levels with dry contact: Logic level 0: Close to GND, Logic level 1: Open Digital input levels with wet contact: Logic level 0: +2 V max, Logic level 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.
	Counter / timer	2x 16-bit: - counter source: DI6 & DI7 , - Pulse output: DO6 & DO7 , Can be cascaded as one 32-bit counter/timer, Down counting, preset counting value, interrupt handling, Timer - time base: 100/10/1 kHz, 100 Hz
	Analog input signal	2 ch. input type: Thermocouple: J/K/T/E type Input range : ±5 V , ±2.5 V , 0~2.5 V , 0~5 V Supports T/C types: J, K, T, E
	CAN communication interface	Compatible with CAN specifications 2.0 3000VDC isolated by photo coupler for dual ports.
Power	Power input	9~36 VDC (e.g. +24 V@1 A) (min. 24 W), ATX
	Power consumption	15 W
Environmental	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
	Shock	10 G acceleration peak to peak. (11ms)
General	Dimensions (WxDxH)	223.6 mm x 110.7 mm x 61.8 mm
	Construction	Aluminum extrusion, heavy-duty steel chassis
	Mounting	Wall mount, DIN-rail mount
	Weight	1.3 kg
	OS support	Windows® CE 5.0, Windows® XP Embedded / Linux (OEM/ODM)

1
Industrial
Computing
Solutions

2
Embedded
Computing
Solutions

3
Industrial Data
Collector
and Controller

4
Video
Capture
Solutions

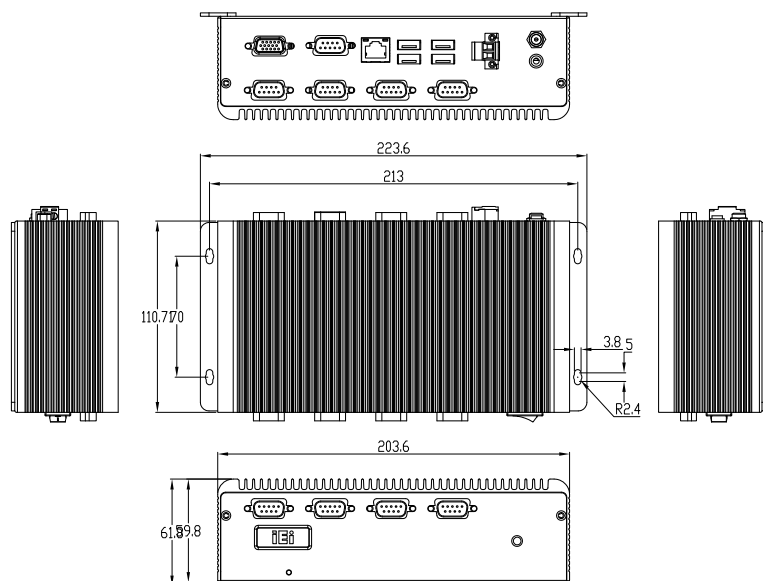
5
I/O
Communication
Solutions

6
Panel
Solutions

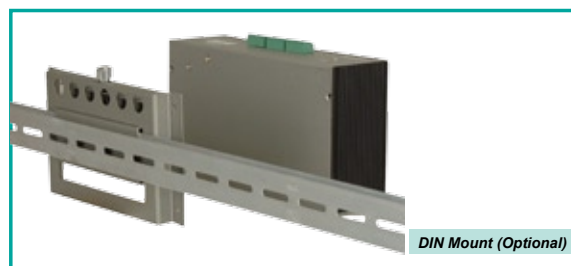
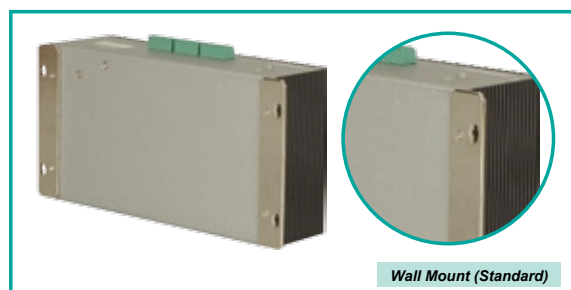
7
ORing
Network
Communication

8
Power Supply/
Peripherals

Dimensions (Unit:mm)



Mounting Support



Packing List

- 1 x VITO-2070
- 1 x Utility CD including SDK, utilities, and technical documents
- 1 x Null modem cable
- 1 x Screw kit
- 1 x Wall mount kit



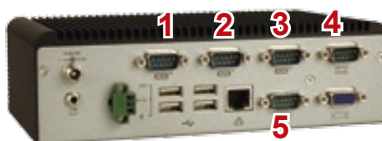
45W AC/DC Adapter
Part No: 63000-UP0451E24P56L-RS



45W AC/DC Adapter
Part No: 63000-UP0451E12P71L-RS

Serial Port Support Limitation

VITO-2070 only Supports 4 serial port in Windows CE environment.



Windows® XP Embedded	Windows® CE 5.0
8 x RS-232 or 7 x RS-232 + 1 x RS-422/485	4 x RS-232 or 3 x RS-232 + 1 x RS-422/485

Working COM port map under Windows® CE

- 4 x RS-232
Port 1,2,3,5
- 3 x RS-232 + 1 x RS-422/485
Port 1,2,4,5
Port 4 activated as RS-422/485

Options

Part No.	Descripton
VITO-CF-2070CE-R10	256 MB CF memory card with built-in Windows® CE 5.0 OS image, licensed sticker, and BSP S/W CD
VITO-CF-2070XP-R10	1 GB CF memory card with built-in Windows® XP Embedded OS image, licensed sticker, and SLD S/W CD
63000-UP0451E12P71L-RS	12 VDC 45 W power adapter with lock screw; 90~264 VAC input
63000-UP0451E24P56L-RS	24 VDC 45 W power adapter with bare wire; 90~264 VAC input
DK-200MM	Din mount kit

Ordering Information

Part No.	Descripton
VITO-2070X-R10	Multiport Data Collector with AMD® Geode™ LX 800 500 MHz , 256 MB 400 MHz DDR SDRAM, 1 x VGA , 1 x Line out, 1 x LAN, 8 x COM, 4 x USB

Provide AMD® Geode™ LX 800 wide temperature OEM/ODM service

1

Industrial Computing Solutions

2

Embedded Computing Solutions

3

Industrial Data Collector and Controller

4

Video Capture Solutions

5

I/O Communication Solutions

6

Panel Solutions

7

ORing Network Communication

8

Power Supply/Peripherals