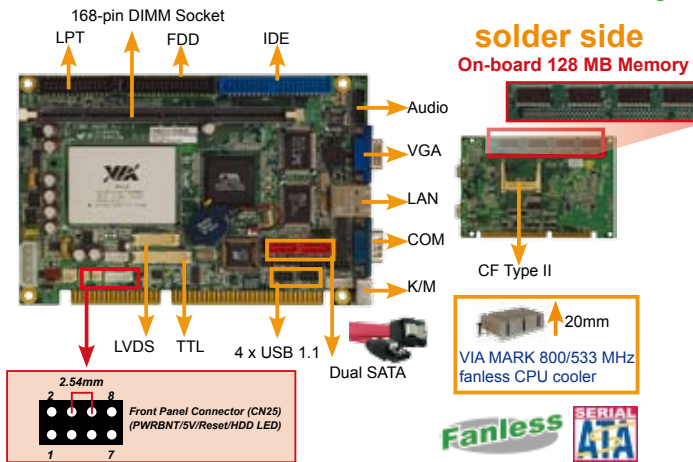


# IOWA-MARK-R11

Half-size ISA CPU card supports VIA MARK and comes with VGA, LVDS, TTL, LAN, SATA, audio and 128 MB of on-board memory



## Features

1. ISA CPU card with a 533 MHz or 800 MHz VIA MARK processor
2. One 168-pin 512 MB (max.) PC133/100 SDRAM DIMM supported
3. Supports VGA, 24-bit TTL/ 18-bit dual channel LVDS
4. Two RS-232, four USB 1.1 and two SATA

## Specifications

- ◆ CPU
  - On-board 533 MHz or 800 MHz VIA MARK processor
- ◆ System Chipset
  - VIA MARK + VT82C686B
- ◆ BIOS
  - Award BIOS
- ◆ System Memory
  - On-board 128MB SDRAM
  - One 168-pin 512 MB (max.) PC133/100 SDRAM DIMM supported
- ◆ Ethernet
  - 10/100Mbps Realtek RTL8100C Ethernet chipset
- ◆ I/O Interface
  - 4 x USB 1.1
  - 1 x IDE
  - 1 x FDD
  - 1 x LPT
  - 1 x Infrared
  - 2 x RS-232
  - 1 x Keyboard and mouse (PS/2)
  - 1 x 6-pin header for keyboard and mouse
  - 2 x SATA with ALI M5283 RAID 0,1 function support.
- ◆ Audio
  - Realtek ALC655 with AC'97 codec
- ◆ Digital I/O
  - 8-bit digital I/O, 4-bit input/ 4-bit output
- ◆ Display Interface
  - VGA integrated in the VIA MARK
  - 24 bits TTL
  - 18-bit dual-channel LVDS
- ◆ SSD
  - CF Type II
- ◆ Watchdog Timer
  - Software programmable supports 1~255 sec. system reset , by ICP6629
- ◆ Power Supply
  - 5 V only, AT and ATX support
- ◆ Power Consumption
  - 5 V @ 2.99 A, 12 V @ 0.09 A running an on-board 800 MHz 128 MB VIA MARK processor with 128 MB of PC133 memory
  - 5 V @ 2.81 A, 12 V @ 0.04 A running an on-board 533 MHz 128 MB VIA MARK processor with 128 MB of PC133 memory
- ◆ Temperature
  - Operating: 0°C ~ 60°C (32°F~140°F)
- ◆ Humidity
  - Operating: 5%~95% non-condensing
- ◆ Dimensions
  - 185 mm x 122 mm
- ◆ Weight
  - GW: 1.0 kg

## Packing List

1 x IOWA-MARK single board computer
1 x Mini jumper pack
1 x ATA66 flat cable (P/N: 32200-000052-RS)
2 x SATA cable (P/N: 32000-062800-RS) (SATA model only)
1 x Single RS-232 cable (P/N: 19800-000047-RS)
1 x Audio cable (P/N: 19800-000111-RS)
1 x SATA power cable (P/N: 32100-088600-RS) (SATA model only)
1 x KB/MS Y cable (P/N: 32000-133200-RS)
1 x USB cable (P/N: CB-USB02-RS)
1 x Utility CD
1 x QIG

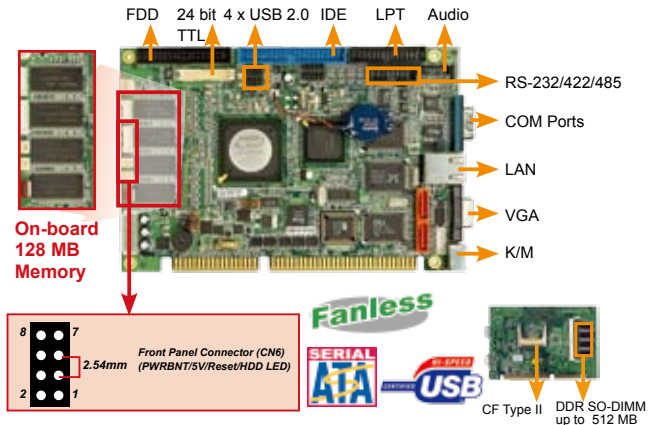
## Ordering Information

Part No.	Description
IOWA-MARK-533-128MB-R11	ISA CPU card VIA MARK 533 MHz, VGA/ LVDS/TTL, LAN, Audio with on-board 128 MB memory
IOWA-MARK-533S-128MB-R11	ISA CPU card VIA MARK 533 MHz, VGA/ LVDS/TTL, LAN, SATA, Audio with on-board 128 MB memory
IOWA-MARK-800-128MB-R11	ISA CPU card VIA MARK 800 MHz, VGA/ LVDS/TTL, LAN, Audio with on-board 128 MB memory
IOWA-MARK-800S-128MB-R11	ISA CPU card VIA MARK 800 MHz, VGA/ LVDS/TTL, LAN, SATA, Audio with on-board 128 MB memory
32200-000017-RS	FDD cable
19800-000049-RS	LPT cable

# IOWA-GX-R11

Pure ISA CPU card with on-board memory support

Half-Size ISA card, fanless AMD® Geode GX SBC with on-board DDR memory, SATA RAID 0,1 function, and TTL support.



## Features

1. ISA CPU card with on-board 333 MHz AMD Geode™ GX 466 processor
2. Flexible on-board, DIMM memory selection options
3. Enhanced TTL, SATA, RS-232, RS-422/485 and USB 2.0 interfaces for extended connectivities
4. RoHS Compliant

## Specifications

- ◆ CPU
  - On-board 333 MHz AMD® Geode™ GX 466 processor
- ◆ System Chipset
  - AMD® Geode™ CS5536
- ◆ BIOS
  - AWARD
- ◆ System Memory
  - On-board 128 MB SDRAM
  - One 200-pin 512 MB (max.) DDR 200/266MHz SO-DIMM supported
- ◆ Ethernet
  - 10/100Mbps Realtek RTL8100C Ethernet controller
- ◆ I/O Interface
  - 4 x USB 2.0
  - 2 x SATA with ALI M5283 RAID 0,1 function support.
  - 1 x IDE
  - 1 x LPT
  - 1 x FDD
  - 1 x Infrared
  - 2 x RS-232
  - 1 x RS-422/485
  - 1 x Keyboard and mouse (PS/2)
  - 1 x 6-pin header for keyboard and mouse
- ◆ Super I/O
  - Winbond W83627EHG
- ◆ Audio
  - Realtek ALC203 with AC'97 codec
- ◆ Digital I/O
  - 8-bit digital I/O, 4-bit input/ 4-bit output
- ◆ SSD
  - CF Type II
- ◆ Display Interface
  - VGA integrated in the AMD® Geode™ GX 466
  - 24-bit TTL
- ◆ Watchdog Timer
  - Software programmable supports 1~255 sec. system reset
- ◆ Power Supply
  - 5V± 5%, AT and ATX power support
- ◆ Power Consumption
  - 5 V @ 0.92 A running a 333 MHz AMD Geode™ GX 466 with a 256 MB DDR DIMM
- ◆ Temperature
  - Operating: 0°C ~ 60°C (32°F ~ 140°F)
- ◆ Humidity
  - Operating: 5% ~ 95% non-condensing
- ◆ Dimensions
  - 185 mm x 122 mm
- ◆ Weight
  - GW: 1.0 kg

## Packing List

1 x IOWA-GX single board computer
1 x Mini jumper pack
1 x IDE flat cable 40p/40p/40p ( P/N: 32200-000052-RS)
2 x SATA cable (P/N: 32000-062800-RS) (SATA models only)
1 x SATA power cable (P/N: 32100-088600-RS) (SATA models only)
1 x KB/MS Y cable (P/N: 32000-133200-RS)
1 x USB cable (P/N: CB-USB02-RS)
1 x Audio cable (19800-000111-RS)
1 x Utility CD
1 x QIG

## Ordering Information

Part No.	Description
IOWA-GX-466-128MB-R11	Half-size SBC with AMD® GX466 processor 333 MHz, CRT/LCD, LAN, Audio and onboard 128MB DDR RAM
IOWA-GX-466S-128MB-R11	Half-size SBC with AMD® GX466 processor 333 MHz, CRT/LCD, LAN, SATA, Audio and onboard 128 MB DDR RAM
19800-000049-RS	LPT cable
32200-000017-RS	FDD cable
19800-000058-RS	RS-232/422/485 cable

1 Industrial Computing Solutions

2 Embedded Computing Solutions

3 RISC-Based Embedded Solutions

4 Industrial Data Collector/Server Solutions

5 Video Capture Solutions

6 I/O Communication Solutions

7 Panel Solutions

8 Power Supply/Network/Communication/Peripherals