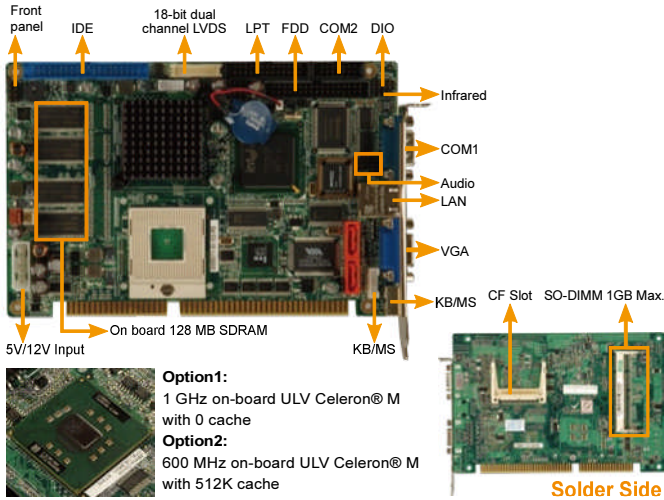
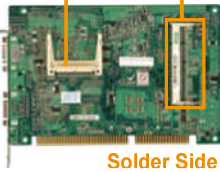


IOWA-8522

Half-size ISA CPU card supports Intel® Pentium® M or Celeron® M processors with a 400 MHz FSB and comes with LVDS, CRT, dual-display function, LAN, SATA with RAID support and USB 2.0



Option1:
1 GHz on-board ULV Celeron® M with 0 cache
Option2:
600 MHz on-board ULV Celeron® M with 512K cache



Solder Side

FSB 400

DDR 266

Dual Display

USB 2.0

Fanless

One Key Recovery

Features

1. Supports Intel® Pentium® M or Celeron® M processors with 400MHz FSB
2. On-board 128MB DDR SDRAM and SO-DIMM DDR support up to 1GB
3. Analog CRT, 18/24-bit dual channel LVDS output and dual display supported
4. One RS-232, one RS-232/422/485 and four USB 2.0
5. Two SATA with RAID 0, 1
6. IEI One Key Recovery solution allows you to create rapid OS backup and recovery

Specifications

- ◆ CPU
Socket 479: Intel® Pentium® M or Celeron® M with a 400 MHz FSB
On-board: 1 GHz zero cache or 600 MHz 512 KB cache Intel® Celeron® M
- ◆ System Chipset
Intel® 852GM + ICH4
- ◆ BIOS
AMI BIOS
- ◆ Memory
128 MB on-board DDR SDRAM
One 200-pin 1 GB (max.) 200 MHz or 266 MHz DDR SDRAM SO-DIMM supported
- ◆ Ethernet
Intel® 82562ET 10/100 Ethernet controller
- ◆ I/O Interfaces
1 x RS-232 1 x RS-232/422/485
1 x LPT 1 x FDD
1 x IDE 1 x CF Type II
4 x USB 2.0 (by header)
1 x Infrared Interface
1 x 6-pin wafer on board for KB/MS
2 x SATA with VIA VT6421A RAID 0, 1 function
- ◆ Digital I/O
8-bit digital I/O (4-bit input, 4-bit output)
- ◆ Audio
On board pin header supports 5.1 channel output via IEI audio kit
- ◆ Display
18/24-bit dual-channel LVDS
Analog CRT
- ◆ Watchdog Timer
Software programmable support 1~255 sec. system reset
- ◆ Power Supply
5V/12V, AT/ATX support
- ◆ Power Consumption
5 V @ 5.29 A, 12 V @ 0.13 A Intel® Pentium® M 2.0G/1GB DDR SDRAM
- ◆ Temperature
0°C ~ 60°C (32°F ~ 140°F)
- ◆ Humidity
5% ~ 95% non-condensation
- ◆ Dimensions
185 mm x 122 mm

Packing List

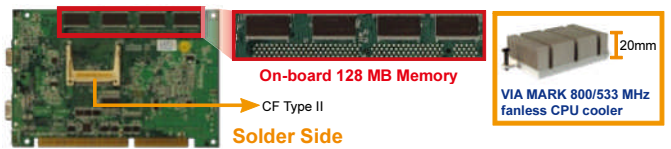
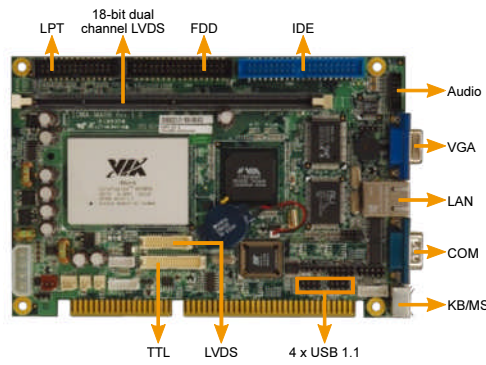
1 x IOWA-8522-R10 single board computer	
1 x ATA66 flat cable (P/N: 32200-000052-RS)	
1 x RS-232/422/485 cable with bracket (P/N: 19800-000082-RS)	
1 x SATA power cable (P/N: 32102-000100-200-RS)	
1 x KB/MS Y cable (P/N: 32006-000300-100-RS)	1 x USB cable (P/N: CB-USB02-RS)
2 x SATA cable (P/N: 32000-062800-RS)	1 x Mini jumper pack
1 x Utility CD	1 x QIG

Ordering Information

Part No.	Description
IOWA-8522-R10	Half Size ISA CPU card with Intel® Pentium® M / Celeron® M at 400 MHz FSB, LVDS/CRT for dual display, LAN, SATA with RAID, USB 2.0
IOWA-8522-1GZ-R10	Half Size ISA CPU card with Intel® Celeron M 1GHz / Zero Cache, LVDS/CRT for dual display, LAN, SATA with RAID, USB 2.0
IOWA-8522-600-R10	Half Size ISA CPU card with Intel® Celeron® M 600MHz / 512 K cache, LVDS/CRT for dual display, LAN, SATA with RAID, USB 2.0
AC-KIT08R-R10	5.1 channel audio kit with realtek ALC655 AC'97 Codec
19800-000400-100-RS	LPT cable
32200-000017-RS	FDD cable
19800-000075-RS	KB/MS cable with bracket
CF-479B-RS	CPU cooler

IOWA-MARK-R11

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



On-board 128 MB Memory

Solder Side



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
5. IEI One Key Recovery solution allows you to create rapid OS backup and recovery

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
1 x CF Type II
- ◆ 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
- ◆ 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 ATA66 flat cable (P/N: 32200-000052-RS)	
1 x Single RS-232 cable (P/N: 19800-000047-RS)	
1 x Audio cable (P/N: 19800-000111-RS)	
1 x KB/MS Y cable (P/N: 32006-000300-100-RS)	
1 x USB cable (P/N: CB-USB02-RS)	1 x Mini jumper pack
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-800-128MB-R11	ISA CPU card VIA MARK 800 MHz, VGA/ LVDS/TTL, LAN, Audio with on-board 128 MB memory
32200-000017-RS	FDD cable
19800-000400-100-RS	LPT cable

1 Industrial Computing Solutions

2 Video Capture Solutions

3 Embedded Computing Solutions

4 Industrial Data Collector and Controller

5 Panel Solutions Introduction

6 ORing Network Communication

7 Power Supply/ Peripherals