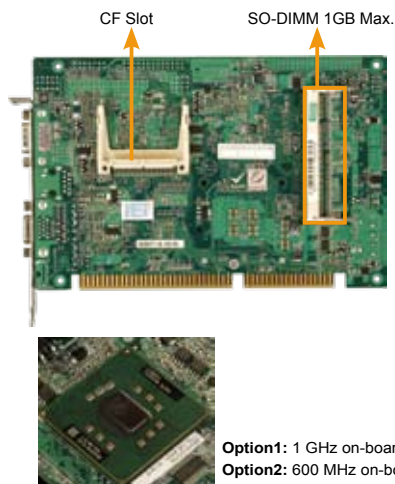
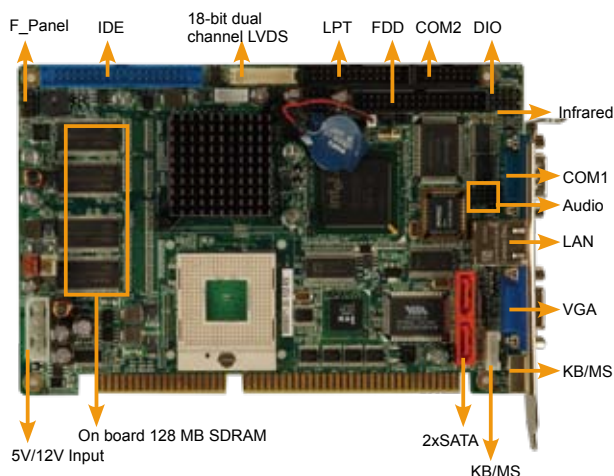


# IOWA-8522

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



## 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 Label
- ◆ 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
  - 4 x USB 2.0 (by header)
  - 1 x LPT
  - 1 x FDD
  - 1 x Infrared Interface
  - 1 x 6-pin wafer on board for KB/MS
  - 2 x SATA with VIA VT6421A RAID 0, 1 function
  - 1 x IDE
  - 1 x CF Type II
- ◆ 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
- ◆ WDT
  - 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

FSB 400

DDR266

Dual Display

MI-SPEED USB Fanless

## 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

## Packing List

|   |
|---|
| 1 x IOWA-8522-R10 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)       |
| 1 x Dual RS-232 cable (P/N:19800-000051-RS) |
| 1 x SATA power cable (P/N:32100-088600-RS)  |
| 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-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  |
| 19800-000049-RS   | LPT cable  |
| 32200-000017-RS   | FDD cable  |
| 19800-000075-RS   | KB/MS cable with bracket   |
| CF-479B           | CPU cooler   |

1  
Industrial  
Computing  
Solutions2  
Embedded  
Computing  
Solutions3  
RISC-Based  
Embedded  
Solutions4  
Industrial  
Data  
Collector/  
Server  
Solutions5  
Video  
Capture  
Solutions6  
I/O  
Communication  
Solutions7  
Panel  
Solutions8  
Power Supply/  
Network  
Communication/  
Peripherals