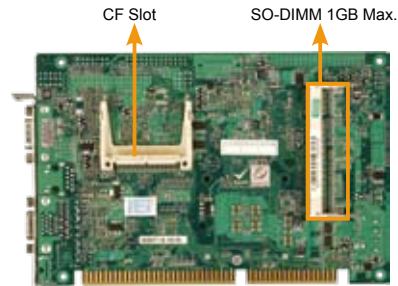
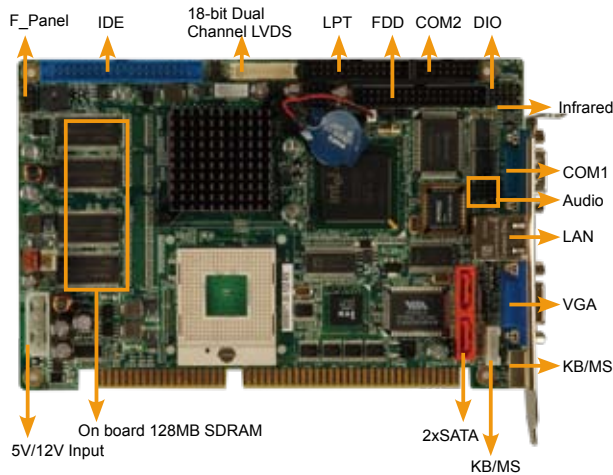


# IOWA-8522

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

## 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 connector
  - 1 x 6-pin wafer on board for KB/MS
  - 2 x SATA II with RAID 0, 1function
  - 1 x IDE
- ◆ 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
- ◆ SSD
  - CF Type II
- ◆ Display
  - 18-bit dual-channel LVDS
  - Analog CRT
- ◆ WDT
  - Software Programmable support 1~255 sec. System reset
- ◆ Power Supply
  - 5 V or 12 V
- ◆ Power Consumption
  - 3.3 V @ 0.01 A, 5 V @ 5.29 A, 12 V @ 0.13 A running 3D Mark 2001SE with a 2 GHz 128 MB Intel® Pentium® M and one 1 GB DDR DIMM
- ◆ Temperature
  - 0°C ~ 60°C (32°F ~ 140°F)
- ◆ Humidity
  - 5%~95% non-condensation
- ◆ Dimension
  - 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-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 ATA66/100 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: 32000-000138-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 400MHz 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 / 512K 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  
Application  
Server  
Platform2  
Single  
Board  
Computer3  
IBX Series  
POS PC4  
AFOLUX  
POS  
Panel PC5  
Video  
Capture  
Card6  
KAMIO  
RISC7  
IOVU  
Open HMI8  
VITO  
Universal  
Controller9  
DINO  
BLADE10  
LCD  
Product  
Series11  
Embedded  
System12  
Industrial  
Computer  
Chassis13  
Power  
Supply14  
Peripherals