

# IEM-8522

ETX CPU Module with Intel Pentium M / Celeron M CPU on-board,  
USB 2.0, LAN and Audio



Solder Side



FSB 400

DDR333



1

Single Board Computer

2

VIDEO CARD

3

Xscale Solutions

4

Open HMI

5

VITO Universal Controller

6

DINO BLADE

7

LCD Product Series

8

Embedded System

9

Industrial Computer Chassis

10

Power Supply

11

Peripherals

## Features

1. ETX Form Factor for flexible base board design
2. Intel Pentium M / Celeron M CPU FSB 400MHz on-board
3. Single channel DDR 200/266/333 MHz up to 1GB
4. Support VGA, Dual Channels 18-bit LVDS and TV-out
5. 2 x RS-232, 4 x USB 2.0, LAN, Audio ready for base board

## Specifications

- ◆ CPU  
On-board Celeron M 600MHz 512K cache / 1.0GHz zero cache Processor with 400MHz FSB
- ◆ System Chipset  
Intel 852GME + ICH4
- ◆ BIOS  
AMI
- ◆ System Memory  
1 x 200-PIN Singal channel DDR 200/266/333MHz up to 1GB
- ◆ Ethernet  
10/100Mbps Intel 82562ET Ethernet chipset
- ◆ I/O Interface  
2 x RS-232  
1 x LPT  
4 x USB 2.0  
2 x IDE  
1 x FDD  
1 x KB/MS
- ◆ Expansions  
4 x PCI bus master  
ISA support by ITE IT8888G
- ◆ Digital I/O  
8 bit digital I/O, 4 input/ 4 output
- ◆ IrDA  
1 x IrDA by pin header
- ◆ Super I/O  
Winbond W83627HG
- ◆ Display Interface  
VGA Intgrated in Intel 852GME  
18-bit dual channel LVDS
- ◆ Audio  
Realtek ALC655 with AC'97 codec
- ◆ SSD  
CF type II
- ◆ Watchdog Timer  
Software programmable supports 1 ~255 sec. System reset
- ◆ Power Supply  
AT/ATX support
- ◆ Power consumption  
5V@3.5A, (Celeron M 1.0GZ, 256MB DDR 333MHz)
- ◆ Temperature  
operation: 0 ~ 60°C ( 32 ~ 140°F)
- ◆ Humidity  
operation: 5% ~95 non-condensing
- ◆ Dimensions  
95 mm x 114 mm
- ◆ Weight  
GW: 650 g / NW: 90 g

## Packing List

- 1 x IEM-8522 Single Board Computer
- 1 x Heatsink
- 1 x Utility CD
- 1 x QIG

## Ordering Information

Part No.	Description
IEM-8522E-R10	Socket 479 Intel Pentium M/Celeron M ETX CPU Module with LAN function
IEM-8522-1GZ-R10	ULV Intel Celeron M 1GHz zero cache ETX CPU Module with LAN function
IEM-8522-600-R10	ULV Intel Celeron M 600MHz 512 cache ETX CPU Module with LAN function