



EasyBoard-872E

Wide-Range Temperature Intel® 2nd Gen. Celeron® 827E 3.5" Compact Board



Features

- Soldered Onboard Intel® 2nd Gen. Celeron® 827E Processor
- Dual Gigabit Ethernet Ports
- Dual-Channel 24-bit LVDS, and DVI-I
- Support Dual Independent Displays
- Support RS-485 Auto-flow Control
- Integrate SIM Socket to Support Mobile Telecommunication
- **Wide Range Operating Temp.: -40 ~ 85°C**

System

CPU	Soldered onboard Intel® Celeron® 827E 1.4GHz processor
Memory	1 x DDR3 SO-DIMM socket, supporting SDRAM up to 4GB
Chipset	Intel® PCH HM65
BIOS	AMI UEFI BIOS
Watchdog Timer	1~255 levels reset

I/O

Super IO Chipset	Fintek F71869ED
Serial Port	2 x COM ports: COM1: RS-232, COM2: RS-232/422/485 selectable, upgradable to 6 x COM ports via SCDB-1293
USB Port	6 x USB 2.0 ports
Digital I/O	16-bit programmable Digital Input/Output via SCDB-349R 1 x Mini-card socket
Expansion Bus	1 x SIM socket LPC interface
Storage	2 x Serial ATA ports with 600MB/s HDD transfer rate 1 x CFAST socket
Ethernet Chipset	2 x Intel® 82583V PCIe GbE controllers
Audio Interface	Realtek ALC662 HD Audio Codec, MIC-in/ Line-out/ Line-in

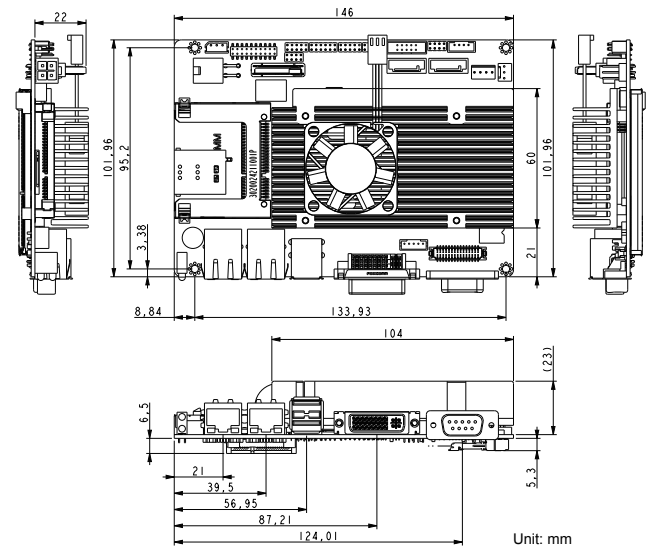
Display

Graphics Chipset	Integrated Intel® HD Graphics 3000 DVI-I: support Analog RGB up to 2048 x 1536 @60Hz and TMDS up to 1920 x 1200
Graphics Interface	LCD: Dual-Channels 24-bit LVDS Support Dual Independent Displays

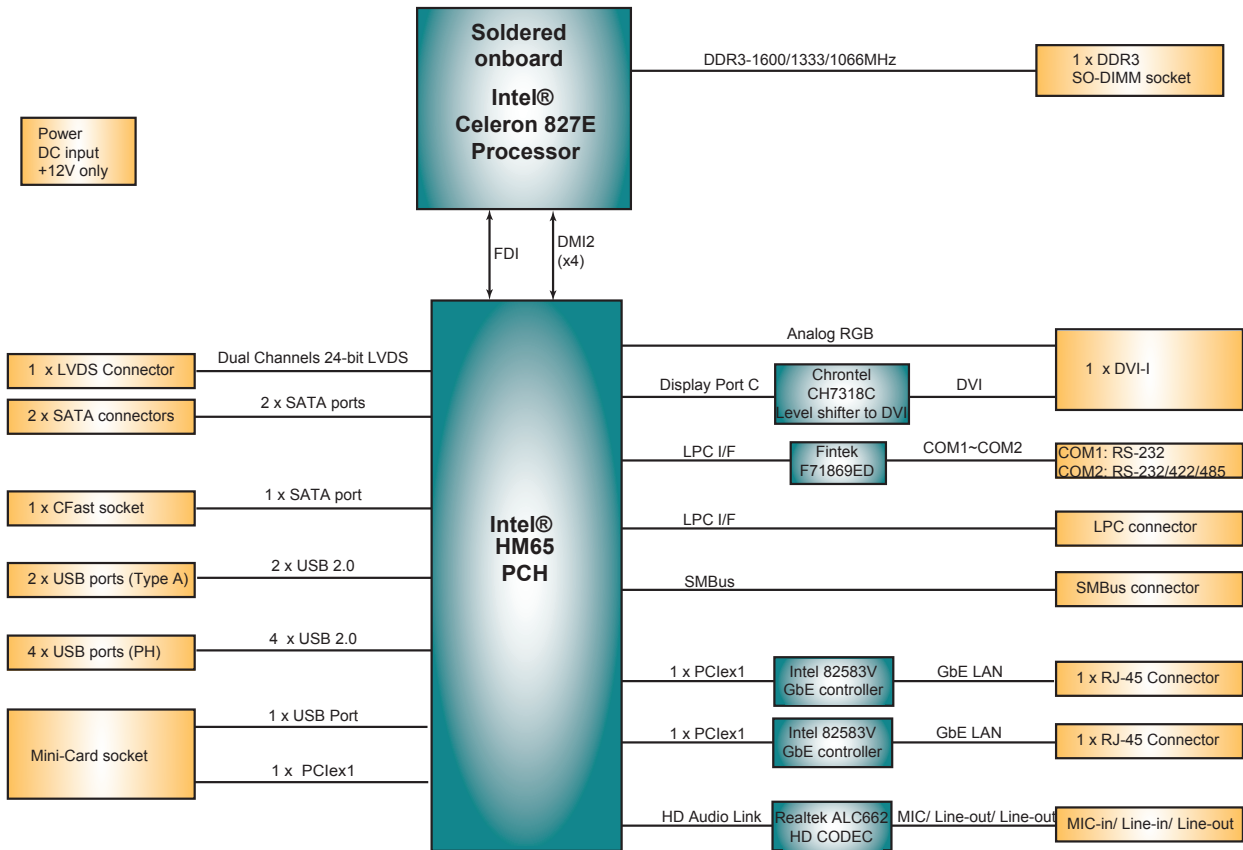
Mechanical & Environmental

Power Requirement	+12V DC
Power Consumption	3.39A@+12V (Typical)
Operating Temp.	-40 ~ 85°C (-40 ~ 185°F)
Operating Humidity	10 ~ 95% @ 85°C (non-condensing)
Dimension (L x W)	146 x 102 mm (5.7" x 4.0")

Dimensions



Block Diagram



Ordering Information

EasyBoard-872E 3.5" Intel Celeron® 827E WT Compact Board

Optional Accessories

FCDB-1293 4 x COM ports, 8-bit digital I/O daughterboard See page 70

FCDB-349R 16-bit Digital I/O board See page 70

CBK-06-65M3-00 Cable kit

- 2 x SATA cables
- 1 x AUDIO cable
- 1 x COM port cable
- 2 x USB cables