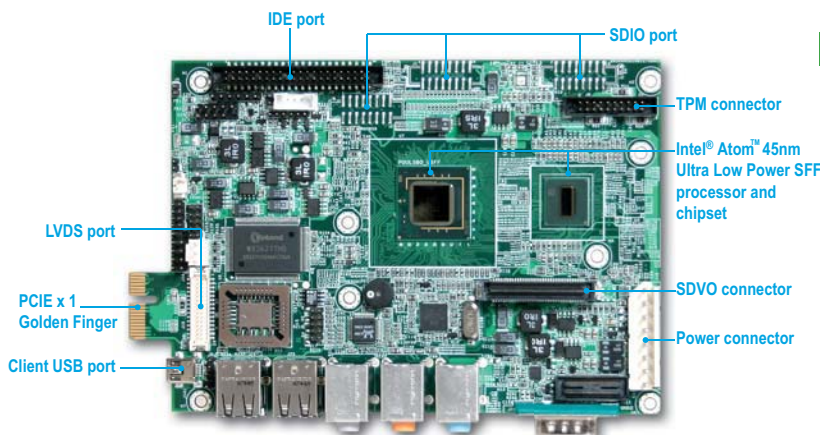


PEB-2736

Intel® Atom™ 45nm Ultra Low Power SFF processor based ECX embedded board with dual display, Audio, USB and SDIO



FEATURES

- Latest Intel® Atom™ 45nm Ultra Low Power SFF processor and Chipset (TDP ≤ 5W)
- One 200-pin SO-DIMM supports DDR2 SDRAM up to 1GB
- One Type II Compact Flash & one IDE connector
- Dual independent display: SDVO and 24bit LVDS
- SDVO Connector support VGA/DVI/LVDS daughter card
- Multi-stream audio and CH5.1 supported
- TPM (Trusted Platform Module) and UDM (USB-Disk Module) could be added on board

PEB-2736 takes advantage of the latest Intel® Atom™ 45nm Ultra Low Power SFF technologies. It supports dual display by LVDS and the SDVO connector. The modular SDVO and SDIO board architecture is easy for customization to meet customer's time to market and proprietary requirement. Base on

leading Intel® Ultra Low Power SFF solution, PEB-2736 is a compact and low power dissipation board for in-vehicle, Mini POS, Medical, Gaming and Digital Signage applications.

Main Board PEB-2736

CPU	Intel® Atom™ 45nm Ultra Low Power SFF processor
FSB	400/533MHz
Chipset	Intel® 45nm Ultra Low Power SFF chipset
System Memory	One 200-pin SO-DIMM support DDR2 533 SDRAM up to 1GB
Storage	One CompactFlash socket and one 44-pin IDE connector
Watchdog Timer	Programmable via S/W from 1sec. to 255min.
H/W Monitor	FAN Speed (System), Temperature (CPU and System), Voltage
GPIO	Onboard programmable 8-bit Digital I/Os
Expansion	- SDVO/PCIEx1/USB signals on one connector for daughter board - PCI-Express x1 golden finger on board edge for optional proprietary peripheral card
Power Input	ATX compliant power

On Board I/O

Display	One 24bit LVDS connector and one pin header for SDVO daughter card
USB	- Two USB 2.0 ports - USB client type B connector
COM	One RS-232 serial port
SDIO	Three pin headers for SDIO daughter cards
Others	One 8bit GPIO pin header, one pin header for Front Panel I/O and one TPM pin header for TPM module

Rear I/O

COM	One RS-232 port
USB	Four USB 2.0 ports
Audio	High definition audio CH5.1

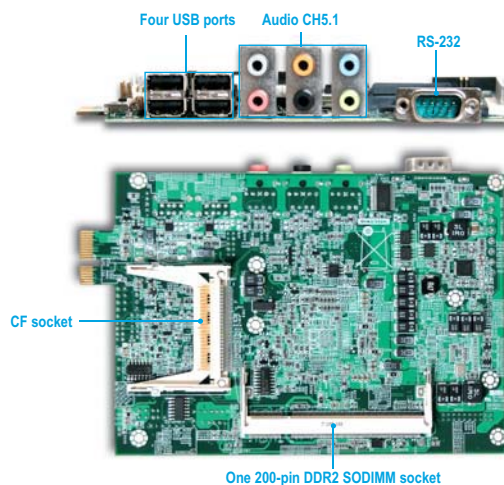
Display

Graphic Controller	Intel® 45nm Ultra Low Power SFF chipset Integrated graphics
Graphic Memory	Intel® GMA 500
Multi Display	LVDS / SDVO

Mechanical & Environment

Operation Temperature	0°C~60°C (-40°C~85°C by request)
Storage Temperature	-20°C~80°C
Operating Humidity	5~95% non-condensing
Dimension	146mm x 105mm

Rear I/O Board



* Specifications are subject to change without notice.

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