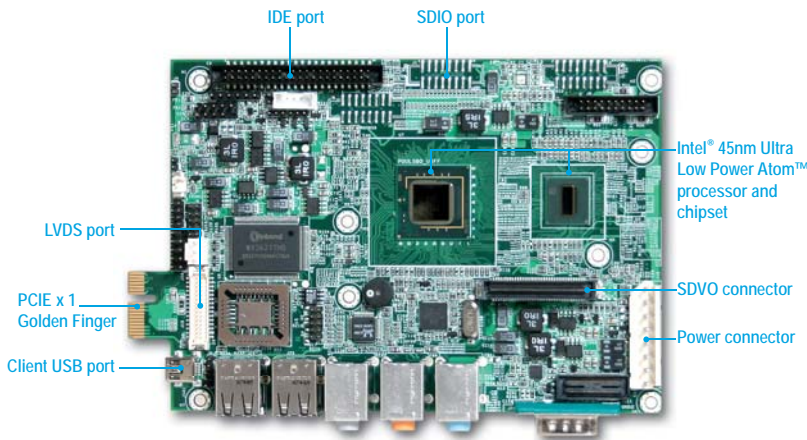


PEB-2736

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



FEATURES

- Intel® Atom™ processor Z510/Z530 and System Controller Hub US15W (TDP ≤ 5W)
- One 200-pin SO-DIMM supports DDR2 SDRAM up to 2GB
- 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
- UDM (USB-Disk Module) could be added on board

PEB-2736 takes advantage of the latest Intel® Atom™ 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® Atom™ 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™ processor Z510/Z530
FSB	400/533MHz
Chipset	Intel® System Controller Hub US15W
System Memory	One 200-pin SO-DIMM support DDR2 400/533 SDRAM up to 2GB
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-Graphic Controller	Intel® System Controller Hub US15W Integrated graphics
USB	- Two USB 2.0 ports - USB client type B connector
COM	One RS-232 serial port
SDIO	One pin header for SDIO daughter card
Others	One 8bit GPIO pin header, one pin header for Front Panel I/O

Rear I/O

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

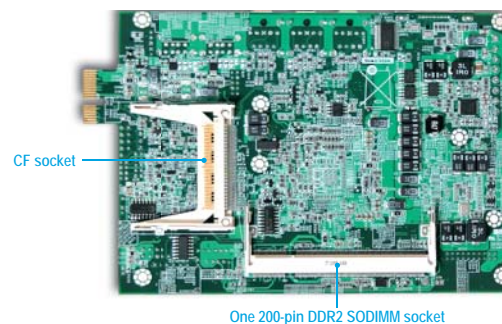
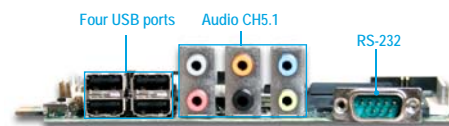
Display

Graphic Controller	Intel® System Controller Hub US15W integrated GMA 500 graphics device
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



* Specifications are subject to change without notice.

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