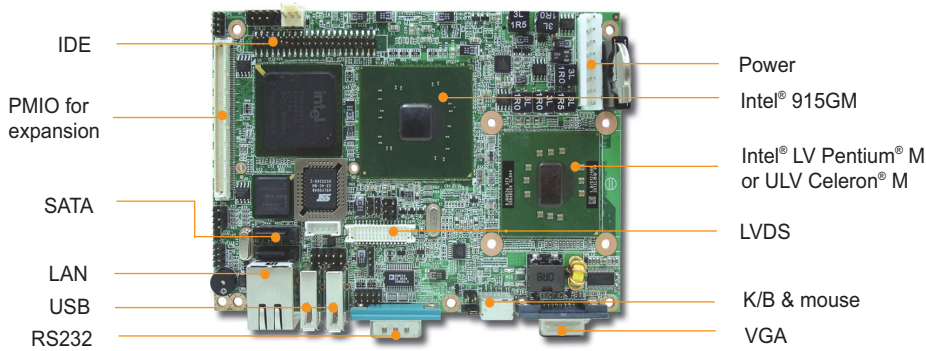


PEB-2730VL

3.5" Intel® ECX Form Factor, Intel® LV Pentium® M or ULV Celeron® M Processor with DDR-II SDRAM, GMA900 VGA/Panel/CRT/Dual Display and Fast Ethernet (Audio through PMIO)



ARTO-50-2730



System

CPU	Intel® socket 479 to support uFC-PGA Pentium® M up to 2Ghz with 2M L2 cache (PEB-2710) Intel® uFC-BGA LV Pentium® M 1.4 Ghz on board (PEB-2730) Intel® uFC-BGA ULV Celeron® M 1.0Ghz on board (PEB-2730-1G)
System Memory	Up to 1GB 400/533 DDR II SDRAM on one SO-DIMM socket
L2 Cache Memory	256KB to 2MB depends on processor
Chipset	Intel® 915GM & ICH6
BIOS	Award (Phoenix)
SSD	Type II Compact Flash socket (Support 8~320MB)
Storage Devices	Two IDE devices at UMDA33/66/100; or Two SATA Storage
Watch Dog Timer	Yes
Hardware Monitoring	Yes
Expansion	PMIO expansion x 1; (Including PCI/PCI Express, I2S, DVO, LPC, AC97, USB)
Power Consumption	TBD
Operating Temperature	0~55°C
Storage Temperature	-20~75°C
Operating Humidity	5~95%
Dimension	146x102 mm

I/O

MIO	RS232 x1
IrDA	Yes (through PMIO)
Ethernet	One Intel® 562EZ
Audio	AC '97 2.3
USB	USB 2.0 x4 (2 with pin-header)
Mouse & K/B	1

Display

Chipset	Intel® 915GM Integrated Intel® GMA900 PCI-express chipset
Display Memory	DVMT 128MB shared DDR II SDRAM
Resolution	1600 x 1200 x 8bpp or 1280 x 1240 x 16bpp
LCD/Panel interface	LVDSx1, CRT x 1; DVI Resolution (through on board DVO and daughter board), Dual Independent Display support (can be implemented through PMIO daughter board)
TV-out	N/A

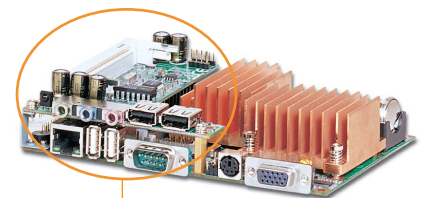
FEATURES

- Intel® new initiative for compact 3.5" ECX form factor to fit in most wide range of system architecture
- Intel® low power chipset 915GM powered by low voltage Pentium® M with frequencies of up to 1.4GHz with 2M L2 cache; optional fan-less ultra low power model with ULV Celeron® M 1.0Ghz
- Scalable high performance uFC-PGA socket model supports Pentium® M up to 2.0Ghz (PEB-2710 series)
- Dual independent display support CRT, LVDS and SDVO for other display possibility (SDVO through PMIO expansion interface)
- On-board standard I/O, display, LVDS panel, network as a base board and flexible expansion board for versatile applications
- One PMIO expansion connector (with PCI, PCI Express, I2S, LPC, AC-97, USB and SDVO) for versatile application

ARTO-50-2730



ARTO-50 Rear View



Versatile I/O expansion through PMIO

- * Specifications are subject to change without notice.
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