

ARK-1380

Intel® ULV Celeron® M Ultra-compact System

NEW



Features

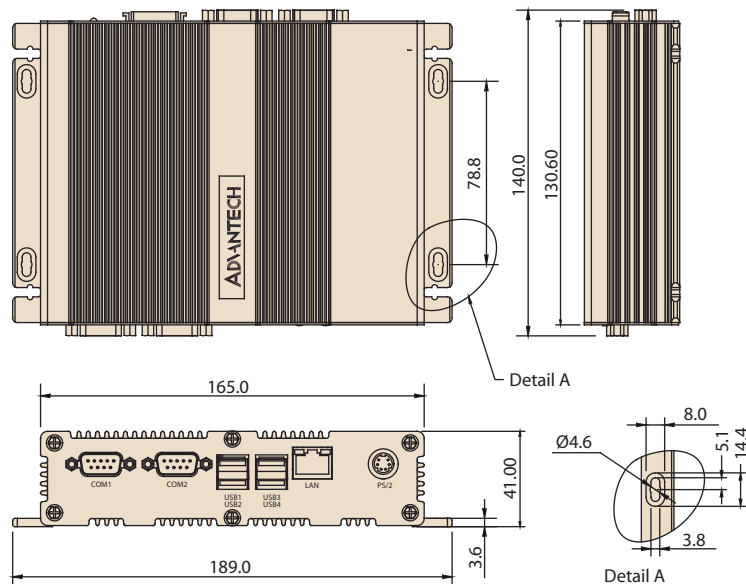
- Built-In Intel® Ultra Low Voltage Celeron® M 1 GHz (512 KB L2 Cache)/600 MHz CPU
- Two RS-232/422/485 serial ports and Four USB ports
- One PC Card slot for PCMCIA or Card Bus card
- Comprehensive display, communication and connectivity
- Ultra compact size, VESA mountable, robust construction with fanless operation
- VESA Mount Support, Dual Independent Display Capability
- One 10/100 Base-T Ethernet

Specifications

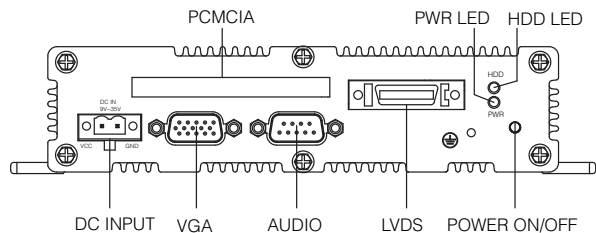
Processor System	CPU	Embedded Intel Ultra Low Voltage Celeron M 1 GHz (512 KB L2 Cache)/Celeron M 600 MHz Processor
	System Chipset	Intel 855GME/852GM chipset Intel ICH4 chipset Celeron M 1.0 GHz with 855GME Celeron M 600 MHz with 852GM
	BIOS	Award 4-Mbit flash BIOS
	System Memory	1 x 200-pin SODIMM Socket supports DDR SDRAM up to 1 GB
Graphics	Chipset	855 GME/852GM built-in
	Memory	Dynamic video memory allocation up to 64 MB
	Interface	CRT interface 36-bit LVDS interface
	Resolution	CRT Mode: up to 1600 x 1200 at 85 Hz, and 2048 x 1536 at 75 Hz LCD mode: Dual-channel LVDS panel supports up to UXGA resolution at frequencies of 25 ~ 112 MHz
Ethernet	Controller	Intel 82562 GZ 10/100Base-T Ethernet controller
Audio	Amplifier	Built-in Dual output 2.2 W amplifier
	Interface	1 x D-Sub 15-pin connector, Line-in, Line-out, Mic-in
Others	Watchdog Timer	255 level timer interval, setup by software
	Keyboard/Mouse	1 x mini-DIN connector (1 x keyboard/mouse)
	Serial Ports	2 x RS-232/422/485 ports BIOS selectable
	Parallel Port	-
Expansion Slot	USB 2.0 Ports	4
	PCI	-
PC Card	Mini PCI	-
PC Card	Interface	1 x built-in PC Card slot that supports CardBus (Card-32) and 16-bit (PCMCIA 2.1/JEIDA4.2) cards 5 V and 3.3 V working power
Storage	SSD	Supports 1 x CompactFlash Socket for Type I/II CompactFlash disk
Software Options		Windows XP Embedded, Windows XP Professional and Windows CE 6.0
Mechanical	Construction	Aluminum housing
	Mounting	VESA Mounting, Din-Rail mounting, Desk/Wall mount
	Dimensions (W x H x D)	189 x 41 x 130.6 mm (7.44" x 1.61" x 5.14")
	Weight	1.4 kg (3.09 lb)
Power	Power Consumption	Typical: 13.5W
	Input Voltage	Support DC 9 V ~ 35 V, ATX Max Power Input: 9 V _{DC} /3.8 A, 12 V _{DC} /2.9 A, 16 V _{DC} /2.18 A, 19 V _{DC} /1.84 A, 24 V _{DC} /1.46 A, 35 V _{DC} /1 A
Environment	Operating Temperature	With Commercial Grade, CompactFlash disk and memory: 0° C to 60° C
	Extended Operating Temperature	With industrial grade CompactFlash disk and Memory: -40° C to 60° C (by request)
	Relative Humidity	95% @ 40° C
	Shock During Operation	With CompactFlash disk: 50 Grms, IEC 60068-2-27, half sine, 11 ms duration
	Vibration During Operation	With CompactFlash disk Operation: 5 Grms, IEC 60068-2-64, random, 5 ~ 500 Hz, 1 Oct./min, 1hr/axis.
	Chassis Size (W x D x H)	188.8 x 106.5 x 35.5 mm (7.5" x 4.2" x 1.4")
	EMC Approved	CE/FCC Class A, CCC, BSMI
	Safety Approved	CE,UL,CCC,BSMI

Dimensions

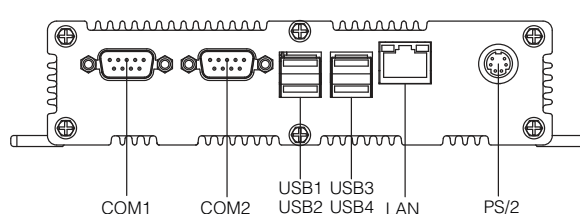
Unit: mm



Front Panel External I/O Mechanical Layout/Drawing



Rear Panel External I/O Mechanical Layout/Drawing



Packing List

Part Number	Description
2066138000	1 x Driver/Utility CD
1700001394	1 x 2-Pole Phoenix to DC-Jack Power Cable
1700006011	1 x DB-9 Male to Mic-In, Line-Out, Line-In Audio Cable

Ordering Information

Part Number	Description
ARK-1380-1S0A1E	Intel ULV Celeron M 1 GHz, 2 x Serial ports, PCMCIA, 1 x LAN, 4 x USB 2.0, 1 x VGA, 1 x LVDS, Ultra Compact, Fanless Embedded Box Computer
ARK-1380-2S0A1E	ARK-1380-1S0A1E with 512 MB DDR SDRAM, 1 GB Compact Flash Disk, pre-installed Windows XP Embedded FP2007 and License
ARK-1380-1M0A1E	Intel Celeron M 600 MHz, 2 x Serial ports, PCMCIA, 1 x LAN, 4 x USB 2.0, 1 x VGA, 1 x LVDS, Ultra Compact, Fanless Embedded Computer
ARK-1380-2M0A1E	ARK-1380-1M0A1E with 512 MB DDR SDRAM, 1 GB Compact Flash Disk, pre-installed Windows XP Embedded FP2007 OS Image and License

Optional Items

Part Number	Description
1757000222	AC-to-DC Adapter DC19 V/3.42 A 65 W, with Phoenix Power Plug, 0 - 40° C for Home and Office Use
1700001947	Power Cable 2-pin 180 cm, USA type
1700001948	Power Cable 2-pin 180 cm, Europe Type
1700001949	Power Cable 2-pin 180 cm, UK Type
1700002141	Power Cable 2-pin PSE Mark 183 cm
1997001110, 1997001120, 1997001130, 1997001140	DIN-rail Mounting Kit
1960008516	VESA mounting plate
1700060202	PS2 Keyboard/Mouse Cable

Embedded OS (Only available for T-Parts OEM, and CTOS service)

Part Number	Description
2070003593	XPE with Feature Pack 2007 OS Image and License for ARK-1380 V 3.01 English, French, German, Italian, Spanish
2070003594	XPE with Feature Pack 2007 OS Image and License for ARK-1380 V 3.01 English, Chinese-Traditional, Chinese-Simplified, Japanese (707.24 MB)
2070001123	Windows CE.NET 6.0 Professional OS Image and License for ARK-1380, English Version