ARK-3389

Intel® Pentium® M /Celeron® M Compact System



Features

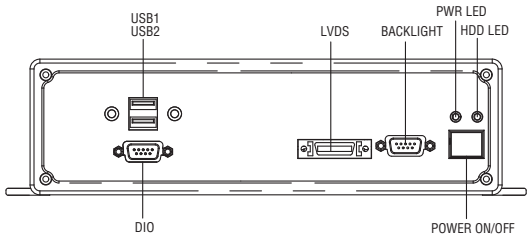
- Built-in Ultra Low Voltage Intel® Celeron® or Low Voltage Intel Pentium® M processor
- Sealed construction with fanless operation
- Anti-Vibration to ensure maximum reliability
- Easy integration, easy maintenance, few parts, and wide input voltage range

RoHS COMPLIANT 2002/95/EC · Microsoft Windows Embedded · CE FCC · LISTED c UL us E180881

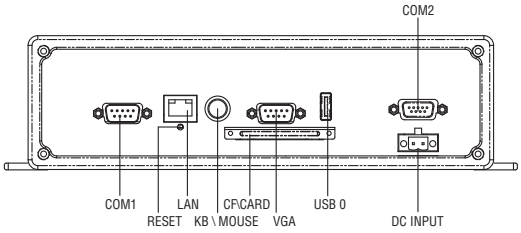
Specifications

Processor System	CPU	Intel uFCBGA 479-pin Ultra Low Voltage Celeron or Intel Pentium M Low Voltage Processor ULV Celeron M 1.0 GHz (0KB L2 Cache) LV Pentium M 1.4 GHz (1MB L2 Cache)
	System Chipset	Intel 852GM GMCH or Intel 855GME Chipset Intel ICH4 Chipset 400 MHz FSB
	BIOS	4-Mbit Flash BIOS, supports Plug & Play, APM 1.2
	System Memory	1 x 200-pin SODIMM socket, Supports DDR SDRAM up to 1 GB
Graphics	Chipset	Integrated graphics built in to Intel 852GM GMCH, or Intel 855GME GMCH, utilizing Intel Extreme Graphics 2 technology
	Memory	Dynamic Video Memory Allocation up to 64 MB
	Interface	CRT Interface, 36-bit LVDS interface
Ethernet	Controller	Intel 82551QM 10/100Base-T Ethernet controller
Others	Serial Interface	1 x RS-232 port and 1 x RS-232/422/485 port
	USB Interface	3 x USB port, USB 2.0 Compliant
	Watchdog timer	255 levels timer interval, setup by software
	Keyboard/Mouse	Supports PS/2 Mouse and PS/2 Keyboard
	DIO	Support D-Type, 8 Bits DIO
Software Options		Windows XP Embedded, Windows 2000/XP Windows 32bit VISTA
Storage	HDD	Supports drive bay space for 2.5" SATA HDD
	SSD	Supports CompactFlash socket for type I/II CompactFlash disk
Mechanical	Construction	Aluminum housing
	Mounting	Din-Rail mounting, Desk/wall-mounting
	Dimensions (W x H x D)	264.5 x 69.2 x 137.25 mm (10.41" x 2.72" x 5.4")
	Weight	2 kg (4.4 lb)
Power	Power Cunsumption	Typical: 24 W, Max 36 W
	Input Voltage	12 Vdc ~ 24 Vdc, 12 Vdc @ 3 A, 24 Vdc @ 1.5 A
Environment	Operating Temperature	With Industrial Grade CompactFlash disk: -20 ~ 60° C With 2.5-inch hard disk 0 to 45° C
	Relative Humidity	95% @ 40° C (non-condensing)
	Vibration Loading During Operation	With CompactFlash disk: 5 Grms, IEC 60068-2-64, random, 5 ~ 500 Hz, 1 Oct./min, 1 hr/axis. With 2.5-inch hard disk: 1 Grms, IEC 60068-2-64, random, 5 ~ 500 Hz, 1 Oct./min,
	Shock During Operation	With CompactFlash disk: 50 G, IEC 60068-2-27, half sine, 11 ms duration With hard disk: 20 G, IEC 60068-2-27, half sine, 11 ms duration
	EMC	CE/FCC Class A, CCC, BSMI
	Safety Certifications	UL, CCC, BSMI, CE

Front Panel External I/O Mechanical Layout/Drawing



Rear Panel External I/O Layout/Drawing



Packing List

Part Number	Description
-	1 x ARK-3389 Unit
197001110 197001120 197001130 197001140	1 x DIN-Rail Mounting Kit
1700060202	1 x PS2 Keyboard/Mouse Cable
-	1 x Utility CD
1700001967	1 x Flat cable for RS-485/422 mode of COM2
1700001394	1 x 2-pin Phoenix to DC-Jack power cable

Ordering Information

Part Number	Description
ARK-3389-1S0B1E	ULV Celeron M 1.0 GHz Embedded Box Computer, with VGA/LVDS, Fast Ethernet, 1 x RS-232 port, 1 x RS-232/422/485 port, 3 x USB2.0, 1 x 8 Bits DIO
ARK-3389-1S4B1E	LV Pentium M 1.4 GHz, Embedded Box Computer, with VGA/LVDS, Fast Ethernet, 1 x RS-232 port, 1 x RS-232/422/485 port, 3 x USB2.0, 1 x 8 Bits DIO

Optional Items

External AC-to-DC Adapter and Power Cable

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 for ARK-338X
1700001948	Power cable 2-pin 180 cm, Europe for ARK-338X
1700001949	Power cable 2-pin 180 cm, UK for ARK-338X

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

Part Number	Description
96SW-VISTABS-US1	Microsoft VISTA Business DSP ENGLISH
2070001112	XPE with Feature Pack 2007 OS Image and License for ARK-3380/1/2/3/4/9 English Version (600 MB)
2070001113	XPE with Feature Pack 2007 OS Image and License for ARK-3380/1/2/3/4/9 Traditional Chinese Version (600 MB)