

ARTISAN®
TECHNOLOGY GROUP

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Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

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along with credit for buybacks and trade-ins.

Custom engineering
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ARK-3383

Seven USB 2.0 Ports, Four Serial Ports, and Dual LAN Audio Compact System



Features

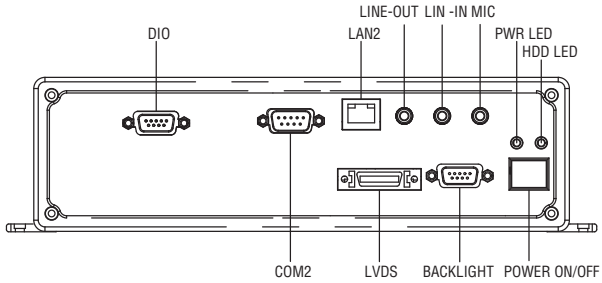
- Seven built-in USB 2.0 ports and four serial ports enable comprehensive communication and connectivity capacity
- Built-in Ultra Low Voltage or Low Voltage Intel® Celeron®/Intel Pentium® M processor
- Sealed construction with fanless operation, low power consumption
- Accepts a wide range of DC power inputs from 12 ~ 24 V DC to ATX
- Anti-vibration to ensure maximum reliability
- Easy integration, easy maintenance, few parts

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

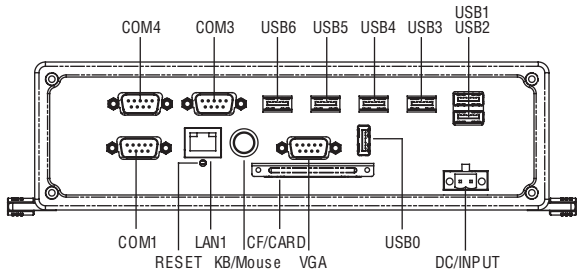
Specifications

Processor System	CPU	Intel Ultra Low Voltage or Low Voltage Pentium M or Celeron M Processors: ULV Celeron M 1.0 GHz (0 KB L2 Cache) LV Pentium M 1.4 GHz (1 MB 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 or 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	2 x Intel 82551QM 10/100Base-T Ethernet controllers, supports LAN1 and LAN2
Audio	Audio Interface	AC97 stereo sound, Dual 2.2W Amplifier
Others	Serial Interface	3 x RS-232/422/485 ports, 1 x RS-232 port (COM-3/4 RS-485 Supports Auto flor control)
	Watchdog Timer	255 level timer interval, setup by software
	Keyboard/Mouse	Supports PS/2 Mouse and PS/2 Keyboard
	USB Controller	Integrated USB 2.0 controller on built-in Intel ICH4 chipset supports USB1 ~ USB3 1 x NEC uD720101 PCI USB 2.0 controller supports USB4 ~ USB7
	DIO	Support D-Type, 8 Bits DIO
Storage	HDD	Supports Single 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	When system is equipped with Industrial Grade CompactFlash Disk only: -20° C ~ 60° C When system is equipped with HDD: 0° C ~ 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, 1hr/axis
	Shock During Operation	When system is equipped with CompactFlash disk only: 50 G, IEC 60068-2-27, half-sine, 11 ms duration When system is equipped with hard disk: 20 G, IEC 60068-2-27, half-sine, 11 ms duration
	EMC	CE/FCC Class A, CCC, BSMI
	Safety Certification	CE, UL, CCC, BSMI

Front Panel External I/O Mechanical Layout/Drawing



Rear Panel External I/O Mechanical Layout/Drawing



Packing List

Part Number	Description
-	1 x ARK-3383 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-3383-2S0B1E	ULV Celeron M 1.0 GHz Embedded Box Computer, with 1 x VGA, 1 x LVDS, 2 x LAN, 4 x COM, 7 x USB 2.0, and Audio, 1 x 8 bits DIO
ARK-3383-2S4B1E	LV Pentium M 1.4 GHz Embedded Box Computer, with 1 x VGA, 1 x LVDS, 2 x LAN, 4 x COM, 7 x USB 2.0, and Audio, 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
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)
96SW-VISTABS-US1	Microsoft VISTA Business DSP ENGLISH

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