

# ARK-3381

## Seven Serial Ports and 2 Printer Ports, Compact System



### Features

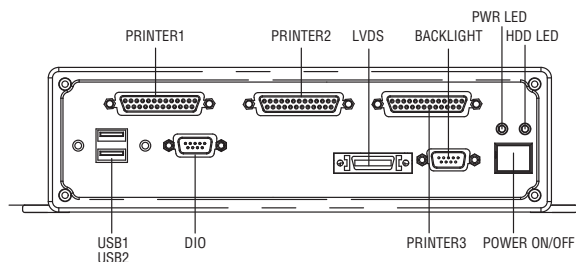
- Seven serial port interfaces: 5 x RS-232/422/485 and 2 x RS-232
- Dual PCI 1284 Printer Ports
- Dual independent display capability
- Built-in Intel® Ultra Low Voltage Celeron® or Low Voltage Intel Pentium® M processor
- Sealed construction with fanless operation
- Anti-vibration to ensure maximum reliability
- Easy integration, easy maintenance
- Accepts a wide range of DC power sources



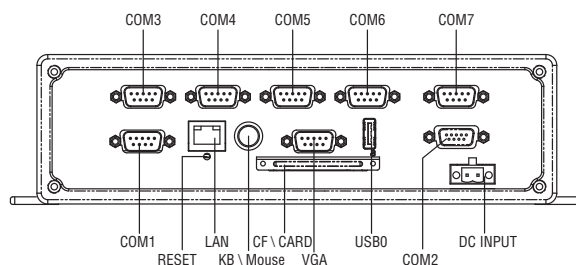
### Specifications

Processor System	CPU	Intel Ultra low voltage Celeron or Intel Pentium M low voltage processor 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 into 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	2 x RS-232 ports and 5 x RS-232/422/485 ports (COM 3/4/5/6 RS-485 Support Auto flow control)
	USB Interface	3 x USB port, USB 2.0 Compliant
	Printer Port	Three PCI 1284 Printer Ports
	Watchdog Timer	255-level 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 32 bit 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 Consumption	Typical: 24 W, Max 36 W
	Input Voltage	12 Vdc ~ 24 Vdc, 12 Vdc @ 3A, 24 Vdc @ 1.5 A
Environment	Operating Temperature	With Industrial Grade CompactFlash disk only: -20 ~ 60° C With 2.5-inch hard disk: 0 ~ 45° C
	Relative Humidity	95 % @ 40° C (non-condensing)
	Vibration Loading	With CompactFlash disk: 5 Grms, IEC 60068-2-64, random, 5 ~ 500 Hz, 1 Oct./min, 1 hr/axis.
	During Operation	With 2.5-inch hard disk: 1 Grms, IEC 60068-2-64, random, 5 ~ 500 Hz, 1 Oct./min, 1 hr/axis.
	Shock During Operation	With CompactFlash disk only: 50 G, IEC 60068-2-27, half sine, 11 ms duration With hard disk: 20 G peak acceleration, 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-3381 Unit
197001110	1 x DIN-Rail Mounting Kit
197001120	
197001130	
197001140	
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-3381-2S0B1E	ULV Celeron M 600 MHz Box Computer, with VGA/LVDS, Fast Ethernet, 2 x RS-232 ports, 5 x RS-232/422/485 ports, 3 x Parallel ports, 3 x USB2.0, 1 x 8 bits DIO
ARK-3381-2S4B1E	LV Pentium M 1.4 GHz, Embedded Box Computer, with Fast Ethernet, 2 x RS-232 ports, 3 x Parallel ports, 5 x RS-232/422/485 ports, 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 2P 180 cm, USA for ARK-338X
1700001948	Power cable 2P 180 cm, Europe for ARK-338X
1700001949	Power cable 2P 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)