

# ARK-3384

## Wireless, USB Port Compact System



### Features

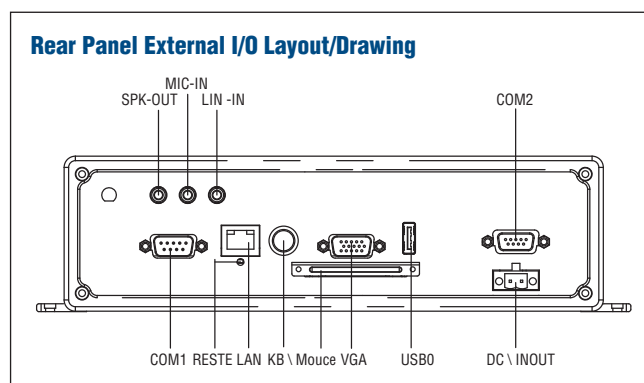
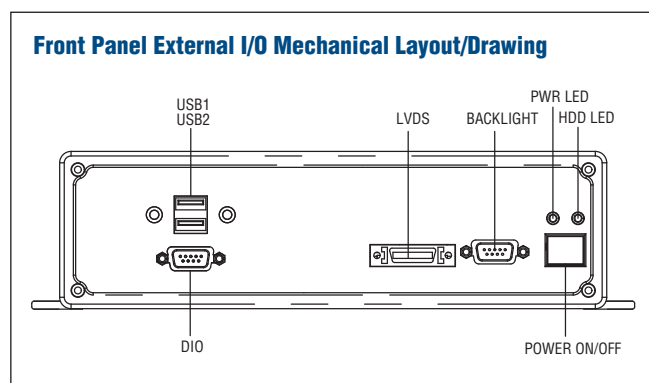
- Fanless operation, built-in low power consumption Intel® Pentium® M or Celeron® M processor
- Built-in IEEE 802.11b/g wireless LAN with antenna
- Built-in three USB 2.0 ports
- Dual independent display supports LVDS and CRT
- AC97 stereo audio with dual output 6W amplifier
- Accepts wide range of ATX supported DC power inputs from 12 V ~ 24 V
- Anti-vibration to ensure maximum reliability
- Easy integration, easy maintenance, few parts



### Specifications

Processor System	CPU	Intel Ultra Low Voltage or Low Voltage Pentium M/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 SO-DIMM socket Supports DDR SDRAM up to 1GB
Graphics	Chipset	Integrated graphics built-in Intel 852 GM GMCH or 855 GME GMCH, utilizing Intel Extreme Graphics 2 technology
	Memory	Dynamic video memory allocation up to 64 MB
	Interface	CRT interface 36-bit LVDS
Ethernet	Controller	Intel 82551QM 10/100BaseT Ethernet controller
Audio	Amplifier	Dual output 6 W Amplifier
	Interface	Speaker-out, Mic-in, Line-in
Wireless	802.11b/g Wireless LAN	Built-in integrated MAC/baseband processor, supports IEEE 802.11b and 802.11g standard protocol and operates in the 2.4 GHz frequency bands Supports data speeds up to 54 Mbps Built-in system antenna support
Others	USB Interface	Integrated USB 2.0 controller on ICH4 chipset Supports 3 x USB 2.0 ports
	COM Interface	Supports 1 x RS-232 port, and 1 x RS-232/422/485 port
	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
Storage	HDD	Supports drive bay space for 2.5" SATA HDD
	SSD	Supports CompactFlash socket for Type I/II CompactFlash disk
Software Options		Windows XP Embedded, Windows 2000/XP Windows 32bit VISTA
Mechanical	Construction	Aluminum housing
	Mounting	Desk/wall-mounting Din-Rail mounting Kit
	Dimensions (W x H x D)	264.5 mm x 69.2 mm 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 @ 3 A, 24 Vdc @ 1.5 A

Environment	Operating Temperature	With industrial grade CompactFlash: -20° C ~ 60° C With HDD: 0° C ~ 45° C
	Vibration Loading During Operation	With industrial grade CompactFlash disk: 5 Grms, 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, 1 hr/axis.
	Shock During Operation	With CompactFlash disk: 50 G, IEC 60068-2-27, half sine, 11ms duration With hard disk: 20 G, IEC 60068-2-27, half sine, 11 ms duration
	EMC	CE/FCC Class A, CCC, BSMI
	Safety Certifications	CE, UL, CCC, BSMI



## Packing List

Part Number	Description
-	1 x ARK-3384 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-P Phoenix to DC-Jack Power Cable
1750000318	1 x 2.4 GHz External Antenna

## Ordering Information

Part Number	Description
ARK-3384-1S0B1E	ULV Celeron M 1.0 GHz Embedded Box Computer, with 1 x LVDS, 3 x USB 2.0 ports, 2 x COM ports, AC97, 1 x Fast Ethernet connector, 1 x 802.11b/g Wireless LAN connector
ARK-3384-1S4B1E	LV Pentium M 1.4 GHz Embedded Box Computer, with LVDS, 3 x USB 2.0 ports, 2 x COM ports, AC97, 1 x Fast Ethernet connector, 1 x 802.11b/g Wireless LAN connector

## Optional Items

### External AC-to-DC Adapter and Power Cable

Part Number	Description
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
1757000222	AC-to-DC Adapter DC19 V/3.42 A 65 W, with Phoenix Power Plug, 0 ~ 40° C for Home and Office Use
1750003222	External 2.4 GHz 5 dB Antenna

### 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