

ARK-4180

**Intel® Celeron® M 600 MHz/1.0 GHz
Processor, -40 ~ +75° C, PC/104
Stackable System**

NEW



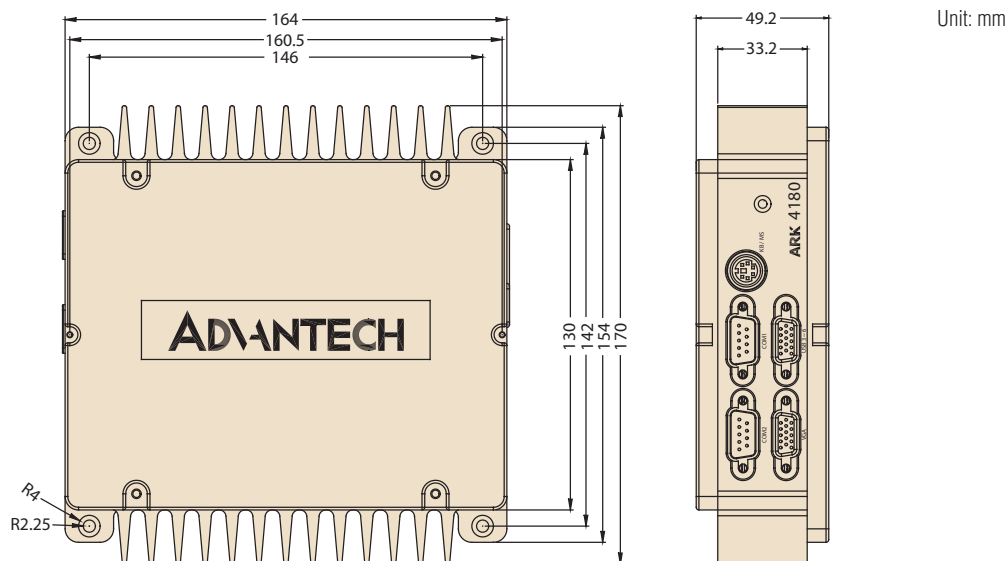
Features

- Celeron® 1.0 GHz (512 KB L2 Cache)/600 MHz CPU
- Two serial ports and six USB 2.0 ports
- VGA, LAN, Audio, LPT and KB/MS ports
- Embedded 1 GB Industrial CF and 512 MB industrial DDR SDRAM
- Windows® XP Embedded solution (WinCE optional)
- Ultra small size, robust construction with fanless operation
- Modularized and stackable design
- Supports 1 x PCI-104 expansion slot
- Customization service

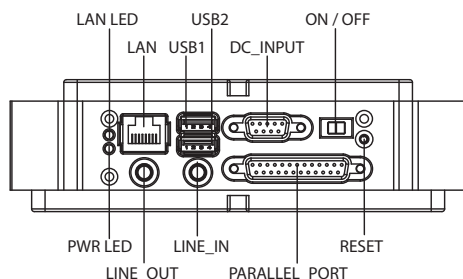
Specifications

Processor System	CPU	Embedded Intel Celeron M 600 MHz/Celeron M 1.0 GHz
	System Chipset	855GME + ICH4 (with Celeron M 1.0 GHz) 852GM + ICH4 (with Celeron M 600 MHz)
	BIOS	Award 512 KB Flash BIOS
	System Memory	1 x 200-pin SODIMM Socket supports DDR SDRAM
Graphics	Chipset	Intel 855GME/852GM
	Interface	Supports CRT Display with external VGA connector
Audio	Controller	ICH4 chip, AC97 2.0 compliant. Supports Line-in, Line-out
Ethernet	Controller	Intel 82562 10/100Base-T Ethernet Controller
Others	USB Interface	Integrated USB 2.0 controller on ICH4 chipset, supports 6 x USB 2.0 ports
	COM Interface	2 x RS-232 ports
	Watchdog Timer	255 level timer interval, setup by software
	Keyboard/Mouse	PS/2 mouse and PS/2 keyboard
Software Support		Windows XP Embedded; supports Windows CE 6.0 and Windows 2000/XP
Environment	Operation Temperature	-40° C ~ 75° C
	Vibration Loading During Operation	5 Grms, 60068-2-64, random, 5 ~ 500 Hz, 1 Oct./min, 1 hr/axis.
	Shock During Operation	50 G, IEC 60068-2-27, half sine, 11 ms duration
	Certification	CE, FCC, UL, CCC, BSMI
Mechanical	Construction	Aluminum housing
	Mounting	Wall-mounting
	Dimensions (W x H x D)	164 mm x 170 mm x 49.2 mm (6.46" x 6.69" x 1.94")
	Weight	2 kg (4.4 lb)
Power	Input Voltage	AT, +5 V ± 5%, +12 V ± 5% (optional) (5 V only, 12 V optional for PC104 add on card and LCD inverter)
	Power Consumption	Typical: +5 V @ 1.63 A (w/Celeron-M 1.0 GHz) Max. : +5 V @ 2.18 A (w/Celeron-M 1.0 GHz)

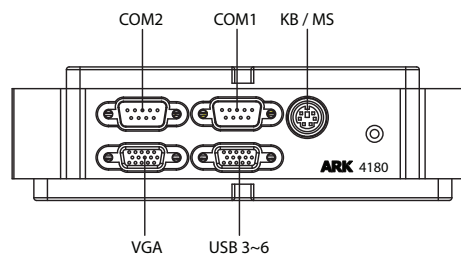
Dimensions



Front Panel External I/O Mechanical Layout/Drawing



Rear Panel External I/O Mechanical Layout/Drawing



Ordering Information

Part No.	CPU	CRT	10/100	USB2.0	RS-232	LPT	KB/MS	Audio	CF	Memory	Operation Temp.	Embedded OS
ARK-4180Y-AS0A1E	Intel Celeron M 1.0 GHz	Yes	1	6	2	Yes	Yes	Yes	Industrial grade 1 GB	Industrial grade 512 MB	-40 ~ 75° C	XP Embedded
ARK-4180Y-AM0A1E	Intel Celeron M 600 MHz	Yes	1	6	2	Yes	Yes	Yes	Industrial grade 1 GB	Industrial grade 512 MB	-40 ~ 75° C	XP Embedded
ARK-4180Y-1S0A1E	Intel Celeron M 1.0 GHz	Yes	1	6	2	yes	yes	yes	-	-	-40 ~ 75° C	-
ARK-4180Y-1M0A1E	Intel Celeron M 600 MHz	Yes	1	6	2	yes	yes	yes	-	-	-40 ~ 75° C	-

Packing List

Part number	Description
2006418000	Startup manual ARK-4180 series
2006000640	User Notes of Phoebebus Operation
1700005456	Cable DSUB15(F) to 4 x USB ports 20 cm
1700003933	Wire 9P 20cm D-SUB TO AT POWER ARK-4170/80 use
170006020	CABLE 6P-6P-6P PS/2 KB & MOUSE 20 cm
-	1 x Utility CD

Optional Accessories

Part Number	Description
1757001117	AC to DC 110 W adaptor 100 ~ 240 V (need to order 1700007091 together)
1702002600	Power cord (USA)
1702002605	Power cord (Europe)
1702031801	Power cord (UK)
1700000596	Power cord (China)