

ARK-4153

**AMD Geode™ LX800 Processor, -40 ~ 75° C,
Anti-vibration and Shock Resistant, PC/104
Stackable System**

NEW



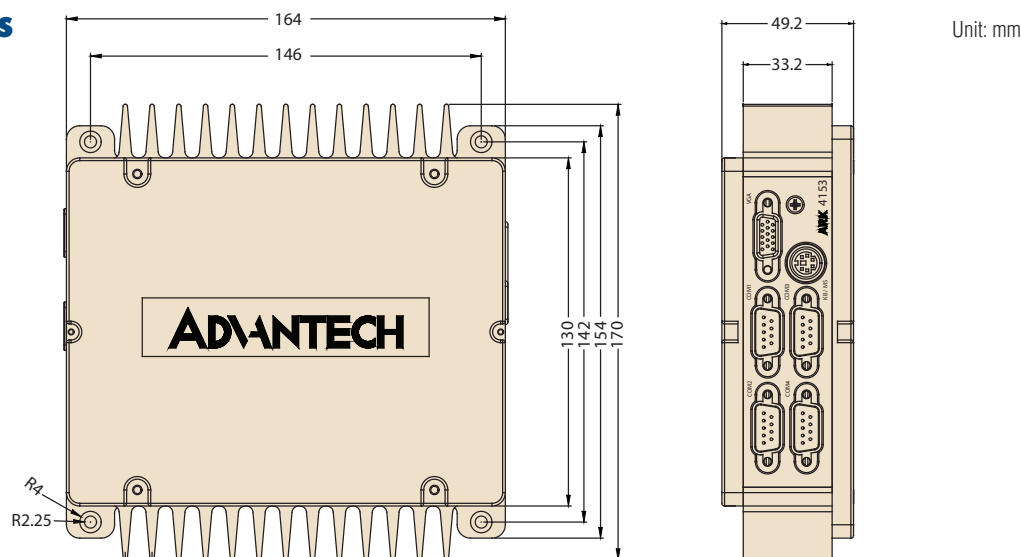
Features

- AMD Geode™ LX800
- Four serial ports and four USB 2.0 ports
- VGA, Dual LAN, and KB/MS ports
- Embedded 128 MB/1 GB onboard Flash and 256 MB Industrial DDR SDRAM
- Embedded Windows® CE solution (Windows® XP Embedded optional)
- Ultra small size, robust construction with fanless operation
- Modularized and Stackable design
- Anti-vibration and shock-resistant
- Supports 1 x PC/104+ expansion slot
- Customization service

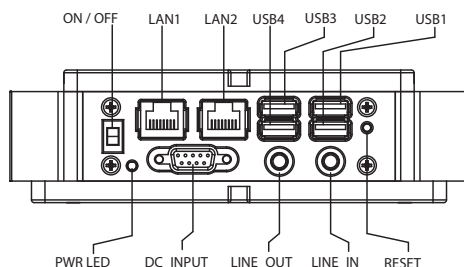
Specifications

Processor System	CPU	Embedded AMD Geode LX800
	System Chipset	AMD Geode LX800
	BIOS	Award 4-Mbit Flash BIOS
	System Memory	Onboard 256 MB
Graphics	Chipset	AMD Geode LX800
	Interface	Supports CRT Display with external VGA connector
Audio	Controller	AC97 2.0 compliant. Supports Line-in, Line-out
Ethernet	Controller	Intel 82551ER 10/100Base-T Ethernet Controller with 2 x RJ45 connector
Others	USB Interface	4 x USB 2.0 ports
	COM Interface	4 x RS-232 ports
	Watchdog Timer	255-level timer interval, set up by software
	Keyboard/Mouse	Supports PS/2 mouse and PS/2 keyboard
Software Support		Embedded Windows CE 6.0, Windows XP Embedded
Environmental	Operational Temperature	-40° C ~ 75° C
	Vibration Loading During Operation	7 Grms, 60068-2-64, random, 5 ~ 500 Hz, 1 Oct./min, 1 hr/axis
	Shock During Operation	70 G, IEC 60068-2-27, half sine, 11 ms duration
	Certification	CE, 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 (Geode LX800, 256 MB DDR333)	Typical: +5 V @ 1.35 A Max: +5 V @ 1.51 A
Front Panel External I/O	RJ-45 Ethernet Ports	2
	USB 2.0 Connectors	4
	DC input Connector	1
	Power On/Off Switch	1
	Reset Button	1
	Power LED Light	1
	Line-In Connector	1
	Line-Out Connector	1
Rear Panel External I/O	RS-232 Serial Interfaces	4
	VGA/CRT Connector	1
	PS/2 Connector (KB, Mouse)	1

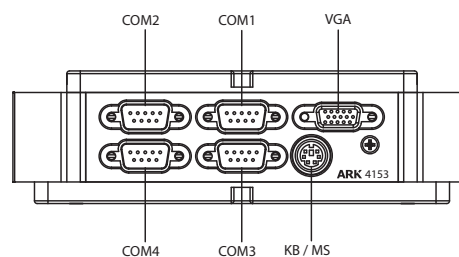
Dimensions



Front Panel External I/O Mechanical Layout/Drawing



Rear Panel External I/O Mechanical Layout/Drawing



Ordering Information

Part No.	CPU	CRT	10/100	USB 2.0	RS-232	RS-485	LPT	KB/MS	Audio	Onboard Flash	Memory	Operating Temp.	Embedded OS
ARK-4153Y-AL0A1E	AMD LX800	Yes	2	4	3	1	-	Yes	Yes	Industrial grade 128 MB	Industrial grade 256 MB	-40 ~ 75° C	Windows CE
ARK-4153Y-BL0A1E	AMD LX800	Yes	2	4	3	1	-	Yes	Yes	Industrial grade 1 GB	Industrial grade 256 MB	-40 ~ 75° C	Windows CE
ARK-4153Y-1L0A1E	AMD LX800	Yes	2	4	3	1	-	Yes	Yes	Industrial grade 1 GB	Industrial grade 256 MB	-40 ~ 75° C	-

Packing List

Part number	Description
2006000640	User Notes of Phoebus Operation
1700003933	Wire 9P 20 cm D-SUB TO AT POWER ARK-4170/80 use
1700060202	CABLE 6P-6P-6P PS/2 KB & MOUSE 20 cm

Optional Accessories

Part Number	Description
1757002181	Adaptor DC 5 V/8 A 40 W IPU45E-102 for ARK-4153
1757001817	Adaptor DC 5 V/7 A, 12 V/3 A 65 W for ARK-4153/4180
1757001118	AC to DC 65 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)