ARK-6622

Compact Embedded Mini-ITX Chassis with One Expansion Slot

NEW

Features

- Mini-ITX chassis supports front I/O interfaces and one expansion slot
- Shockproof disk drive bay for up to two 2.5" hard disks
- Bottom door for access to devices on the devices, on the solder side of motherboard
- Equipped with Flex 180W AC ATX PFC power supply with power cord hook
- LED indicators for system fault detection
- Easy-to-maintain system fans and reusable filter
- Optional WLAN 802.11 b/g module and VESA mounting kit
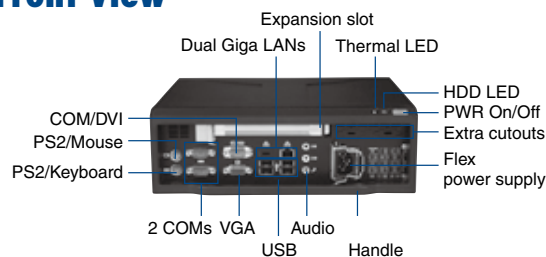- Supports dedicated Advantech motherboard: AIMB-210/258/262/270

RoHS COMPLIANT FCC CE

Specifications

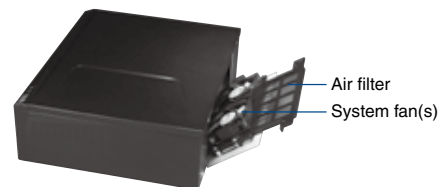| Disk Drive Bay	2.5" (internal)	2	
Front I/O Openings	USB	4	
	PS/2	2	
	COM	2	
	DVI/COM	1	
	RJ-45	2	
	Audio	3 (Mic-In, Line-Out, Line-in)	
	VGA	1	
	Expansion slot	1*	
	Reserved cutouts	2 x DB-9 and 2 x Wireless Antenna Opening	
Cooling	System Fan	**ARK-6622H** 2 (6 cm/27.7CFM)	**ARK-6622L** 1 (6 cm/15.4CFM)
	Air Filter	Yes	Yes
Miscellaneous	LED Indicators	Power, HDD, Temperature	
	Control	Power switch	
Environment		Operating	Non-operating
	Temperature	0 ~ 40° C (32 ~ 104° F)	-20 ~ 60° C (-4 ~ 140° F)
	Humidity	10 ~ 95%, @ 40° C, non-condensing	10 ~ 85%, @ 40° C, non-condensing
	Vibration (5 ~ 500 Hz)	1 Grms	2 G
	Shock	10 G (with 11ms duration, half sine wave)	30 G
Physical Characteristics	Dimensions (W x H x D)	272 x 88 x 232 mm (10.7" x 3.5" x 9.1")	
	Weight	3.49 kg (7.68 lb)	

* The expansion slot is supported by dedicated riser cards, so an optional riser card is required for the add-on card.
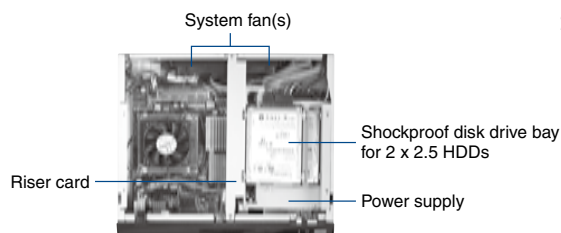* 176 mm (W) x 22 mm (H) space is available for add-on cards to assemble in slot.
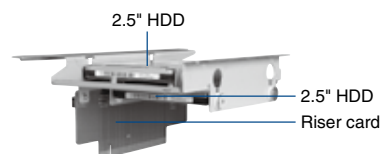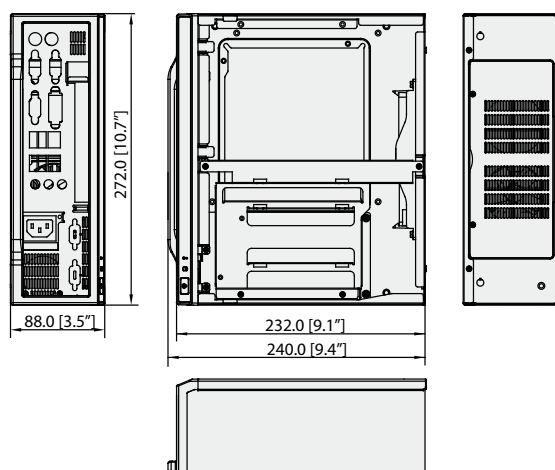
Front View

Expansion slot
Dual Giga LANs
Thermal LED
COM/DVI
PS2/Mouse
PS2/Keyboard
HDD LED
PWR On/Off
Extra cutouts
Flex power supply
2 COMs
VGA
USB
Audio
Handle

Inside View

System fan(s)
Riser card
Shockproof disk drive bay for 2 x 2.5 HDDs
Power supply

Rear Cover for Replacing Fans

Air filter
System fan(s)

2.5" HDDs and Riser Card Bracket

2.5" HDD
2.5" HDD
Riser card
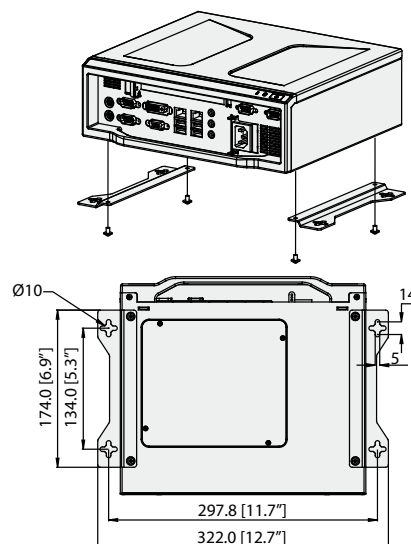
ADVANTECH | **Industrial Computer Chassis**

Dimensions

Unit: mm [inch]

Installation

Unit: mm [inch]

Power Supply Options

Part Number	Watts	Input	Output	Specifications			
				Mini-Load	Safety		MTBF
1757000878 (ATX, PFC)	180 W	AC 100 ~ 240 V	+5 V @ 16 A, +3.3 V @ 14 A, +12 V @ 14 A, -12 V @ 0.5 A, +5 Vsb @ 2 A	+5 V @ 0.3 A, +3.3 V @ 0.3 A, +12 V @ 0.3 A	UL/TUV/CE/CCC/CB		100,000 hours @ 25° C

Ordering Information

Part Number	Power Supply	System Fan	Recommended Motherboard	Recommended Riser Card	Regulation
ARK-6622H-18ZE	1757000878	1750002580 x 2	AIMB-270/262	9892662210E	CE, FCC
ARK-6622L-18ZE	1757000878	1750005863 x 1	AIMB-258 AIMB-210	9892662210E 9892662200E	CE, FCC

Optional Accessories

Part Number	Description
1960046922S000	1U LGA775 CPU cooler for AIMB-262
9892662200E	PCI Interface Riser Card (for AIMB-210)
9892662210E	PCIe x16 Interface Riser Card (AIMB-258/262/270)
989K008732	VESA mounting kit
ARK-WLAN-USBE	Wireless LAN module with USB interface