

ARK-6310-3M01E/02E Fanless Mini-ITX Embedded Computer System

NEW



Features

- Ultra compact and robust construction without fan
- Built-in Intel® LV Pentium® M 1.4 GHz/ULV Celeron® 600 MHz CPU
- One shock-resistant disk drive bay for one 2.5" hard disk
- One internal 32-bit/33 MHz Mini-PCI slot
- Bottom cover gives access to Mini-PCI and CompactFlash® socket on the solder side of the motherboard
- Front I/O with extra cutouts for 2 x COM, 1 x DVI/LVDS, and 1 x S/C-Video
- Optional VESA mounting kit

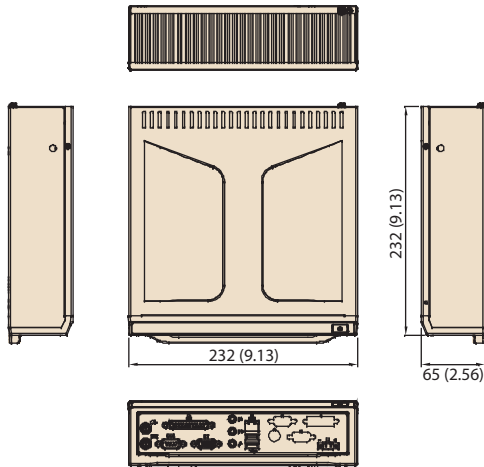


Specifications

| | | ARK-6310-3M01E | ARK-6310-3M02E |
|--------------------------|------------------------|---|-----------------------------------|
| Computing System | CPU | Intel LV Pentium M 1.4 GHz | Intel ULV Celeron 600 MHz |
| | Front Side Bus | 400 MHz | 400 MHz |
| | L2 Cache | 2 MB | 512 KB |
| | Chipset | Intel 82855GME + ICH4 | Intel 82852GM + ICH4 |
| | BIOS | Award 4 Mbit FWH | Award 4 Mbit FWH |
| Memory | Technology | DDR 266/333 SDRAM (ECC/Non-ECC support) | DDR 200/266 SDRAM |
| | Max. Capacity | 1 GB | |
| Graphics | Controller | Intel chipset integrated | |
| | VRAM | Share system memory up to 64 MB video memory | |
| | LVDS | Single channel 18-bit/Dual-channel 36-bit LVDS | |
| | TV-Out | Supports both S-video and composite video | |
| | | Chrontel CH7009A TV encoder supports both NTSC/PAL | |
| Ethernet | DVI | Chrontel CH7009A DVI transmitter up to 135M pixel/second | |
| | Dual Display | CRT + LVDS or DVI/TV-out + LVDS or CRT + DVI | |
| | Interface | 10/100/1000Base-T Gigabit Ethernet | |
| Watchdog Timer | Controller | Realtek RTL8110S Gigabit LAN (PCI) | |
| | Connector | 1 (RJ45) | |
| | Output | System reset | |
| Disk Drive Bay | Interval | Programmable 1 ~ 255 sec. | |
| | 2.5" Internal | 1 | |
| I/O Interface | CompactFlash | 1 | |
| | Front I/O Ports | 1 x VGA, 1 x LAN, 2 x USB, 2 x PS/2 (Mouse & Keyboard), 1 x Parallel, 1 x Serial, 3 x Audio (Mic-in, Line-in, Line-out) | |
| | Extra Cutouts | 2 x COM, 1 x DVI/LVDS, 1 x S/C-Video, 1 x WLAN Antenna | |
| Expansion Slot | Mini-PCI | 1 x 32-bit/33 MHz slot (bottom cover access) | |
| Miscellaneous | Overheating protection | System shut-down when over-heated | |
| | LED Indicators | Power, HDD, Temp. | |
| | Control | Power On/Off switch | |
| Operating System | | Microsoft Windows XP | |
| Environment | | Operating | Non-operating |
| | Temperature | 0 ~ 40° C (32 ~ 104° F) | -20 ~ 60° C (-4 ~ 140° F) |
| | Humidity | 10 ~ 85 % @ 40° C, non-condensing | 10 ~ 95 % @ 40° C, non-condensing |
| | Vibration (4-500 Hz) | 1 Grms | 2 G |
| | Altitude | 0 to 3,048 m (0 ~ 10,000 ft) | |
| Power Supply | Output Rating | 75 W | |
| | Input Voltage | 14 V _{DC} ~ 24 V _{DC} @ 6.4 A ~ 3.75 A (Max.); 19 V _{DC} @ 4.74 A (Max.) | |
| | Output | +5 V with +5 Vsb @ 6 A (+5 Vsb max. 2 A) +3.3 V @ 5 A, +12 V @ 2 A, -12 V @ 0.3 A, -5 V @ 0.3 A | |
| Physical Characteristics | Dimensions (W x H x D) | 232 x 65 x 232 mm (9.1" x 2.6" x 9.1") | |
| | Weight | 2.7 kg (6.0 lb) | |

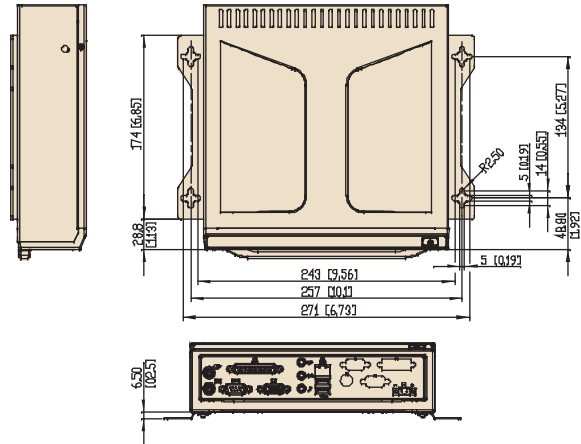
Dimensions

Unit: mm (inch)



Installation

Unit: mm (inch)



System Ordering Information

| Part Number | CPU | CRT | G-LAN | USB 2.0 | RS-232 | LPT | KB/MS | Audio |
|----------------|----------------|-----|-------|---------|--------|-----|-------|-------|
| ARK-6310-3M01E | LV PM 1.4 GHz | Yes | 1 | 2 | 3 | 1 | Yes | Yes |
| ARK-6310-3M02E | ULV CM 600 MHz | Yes | 1 | 2 | 3 | 1 | Yes | Yes |

Please visit Advantech CTOS portal for order entry.
<http://www.advantech.com/ctos>

Accessories

| Part Number | Description |
|-------------|--|
| 1757001377 | AC-to-DC adapter, DC 19 V/90 W with Phoenix power plug |
| 1700003434 | TV-out cable |
| 1700003435 | DVI cable |

Power Cord Options

| Part Number | Description |
|-------------|----------------------------------|
| 1700001947 | Power Cable 2-pin 180 cm, USA |
| 1700001948 | Power Cable 2-pin 180 cm, Europe |
| 1700001949 | Power Cable 2-pin 180 cm, UK |
| 1700002141 | Power Cable 2-pin 180 cm, Japan |

