

ARK-3399

Compact Intel® Core™ 2 Duo Solution for Signage/ Embedded System Control

NEW



Features

- Fanless, Intel® Core™ 2 Duo Compact Embedded Box IPC
- 5 X USB 2.0
- Supports 9 ~ 34 V wide range DC Power Inputs
- Easy integration, easy maintenance, few parts, and wide input voltage range
- Both CRT and LVDS dual independent display
- 1 x RS-232 and 1 x RS-232/422/485
- IP40

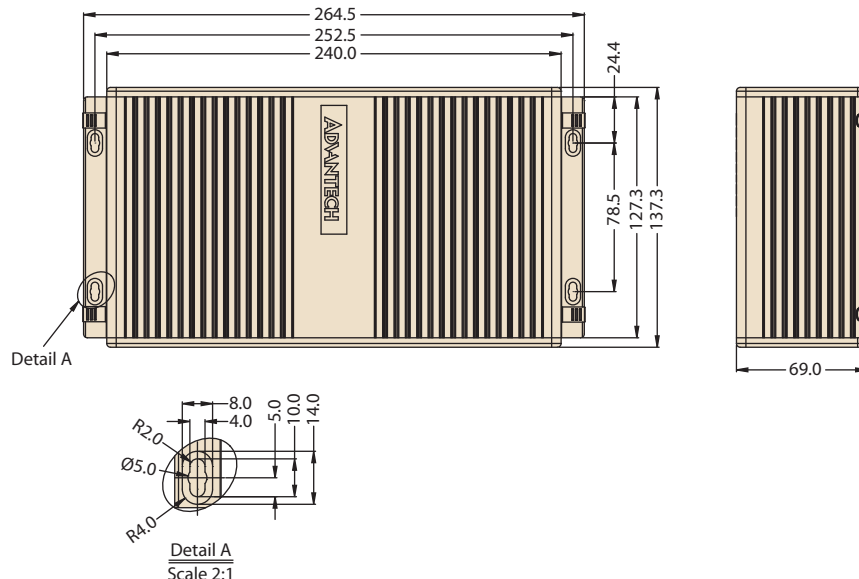


Specifications

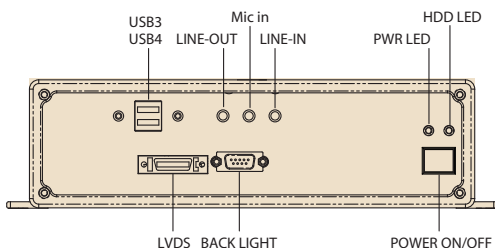
| | | | | |
|-------------------|----------------------------|---|----------------------|---------------------|
| Processor System | CPU | Intel Core Duo LV | Intel Core 2 Duo ULV | Intel Celeron M ULV |
| | Max. Speed | L2400 (1.66 GHz) | U7500 (1.06 GHz) | 423 (1.06 GHz) |
| | Front Side Bus | 667 MHz FSB | 533 MHz FSB | 533 MHz FSB |
| | System Chipset | 945GME + ICH7-M | | |
| | BIOS | AWARD 4 Mbit, FWH | | |
| Memory | Technology | DDR2 533/667 MHz (945GME) | | |
| | Max. Capacity | 2 GB | | |
| | Socket | 1 x 200-pin SODIMM | | |
| Graphics | Chipset | Integrated graphics built in to Intel 945GM, Intel 3.5 Generation Integrated Graphics Engine | | |
| | Interface | CRT Interface 48-bit LVDS interface | | |
| Ethernet | LAN | 10/100/1000 Mbps Ethernet controller, supports Wake On LAN | | |
| Audio | Interface | Line-Out, Mic-in, Line-in | | |
| I/O Interface | Serial Ports | 1 x RS-232 port, 1 x RS-232/422/485 ports | | |
| | USB Interface | 5 x USB ports, USB 2.0 Compliant | | |
| | Keyboard/Mouse | 1 x PS/2 port, Supports PS/2 Mouse and Keyboard | | |
| Other | Digital I/O | 8 bits | | |
| | Watchdog Timer | 255 level timer interval, setup by software | | |
| Expansion | MIO Card | MIO 2.0 interface | | |
| Storage | HDD | Supports one drive bay space for SATA 2.5" HDD | | |
| | SSD | Supports one CompactFlash socket for type I/II CompactFlash disk | | |
| Software Support | Microsoft Windows | Vista, XP Professional, XP Embedded | | |
| Power Requirement | Power Type | AT/ATX | | |
| | Power Input Voltage | 9 V _{DC} ~ 34 V _{DC} | | |
| | Minimum Power Input | 9 V @ 5 A --- 34 V @ 1.3 A | | |
| | Power Adapter | AC to DC, DC19 V/3.42 A, 65 W | | |
| Power Consumption | Typical | 26 W (Intel Core Duo L2400 1.66 GHz) | | |
| | Max. | 30 W (Intel Core Duo L2400 1.66 GHz) | | |
| Mechanical | Construction | Aluminum housing | | |
| | Mounting | DIN-rail mounting, Desk/wall-mounting | | |
| | Dimensions (W x H x D) | 264.5 x 69.2 x 137.25 mm (10.41" x 2.72" x 5.4") | | |
| | Weight | 2 kg (4.4 lb) | | |
| Environment | Operating Temperature | With Industrial Grade CompactFlash disk: 0 ~ 55° C (32 ~ 130° F) With 2.5-inch extended temperature hard disk 0 to 45° C (32 ~ 112° F) with air flow | | |
| | Storage Temperature | -40 ~ 85° C (-40 ~ 185° F) | | |
| | Relative Humidity | 95% @ 40° C (non-condensing) | | |
| | Vibration During Operation | With CompactFlash disk: 5 Grms, IEC 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, 11 ms duration With hard disk: 20 G, IEC 60068-2-27, half sine, 11 ms duration | | |
| | EMC | CE/FCC Class A, CCC, BSMI | | |
| | Safety Certifications | UL, CCC, BSMI | | |

Dimensions

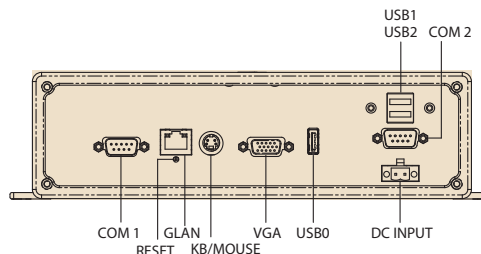
Unit: mm



Front Panel External I/O Mechanical Layout/Drawing



Rear Panel External I/O Mechanical Layout/Drawing



Packing List

| Part Number | Description |
|-------------|--|
| - | 1 x ARK-3399 Unit |
| 1997001110 | |
| 1997001120 | |
| 1997001130 | 1 x DIN-rail Mounting Kit |
| 1997001140 | |
| 1700060202 | 1 x PS2 Keyboard/Mouse Cable |
| 1700001967 | 1 x Flat cable for RS-485/422 mode of COM2 |
| 1700009001 | 1 x 2-pin Phoenix to DC-Jack power cable |
| - | 1 x Utility CD |
| - | China RoHS |

Optional Items

External AC-to-DC Adapter and Power Cable

| Part Number | Description |
|----------------|--|
| 1757000222 | AC-to-DC Adapter, DC19 V/3.42 A 65 W, with Phoenix Power Plug, 0 ~ 40° C for Home and Office Use |
| 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 |
| 1960025333N00N | Bracket vesa mounting for ARK-1000,3000,4000 Ni |
| 1700011852 | A Cable D-SUB9P (M)/1 x 10P-5.0 mm 10 cm ARK-3 Seri |

Embedded OS (Only available for T-Parts OEM, and CTOS service)

| Part Number | Description |
|-------------|---|
| 2070004489 | XPE FP2007 ARK-3399 V3.01 ENG_CHT_CHS_JPN |
| 2070004569 | XPE FP2007 ARK-3399 V3.01 ENG_Fresnch_German_Ital |
| 2070004570 | CE60 Pro ARK-3399 V1.1 ENG |

Ordering Information

| Part Number | Description |
|-----------------|--|
| ARK-3399-1S0A1E | Intel Celeron M ULV 423 1.06 GHz, Compact Embedded Box IPC |
| ARK-3399-1S1A1E | Intel Core 2 Duo U7500 1.06 GHz, Compact Embedded Box IPC |
| ARK-3399-1S6A1E | Intel Core Duo L2400 1.66 GHz, Compact Embedded Box IPC |