

ARK-3383

Seven USB 2.0 Ports, Four Serial Ports, and Dual LAN Audio Compact System



Features

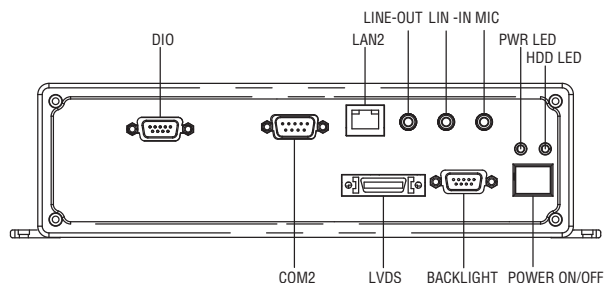
- Seven built-in USB 2.0 ports and four serial ports enable comprehensive communication and connectivity capacity
- Built-in Ultra Low Voltage or Low Voltage Intel® Celeron®/Intel Pentium® M processor
- Sealed construction with fanless operation, low power consumption
- Accepts a wide range of DC power inputs from 12 ~ 24 V DC to ATX
- Anti-vibration to ensure maximum reliability
- Easy integration, easy maintenance, few parts



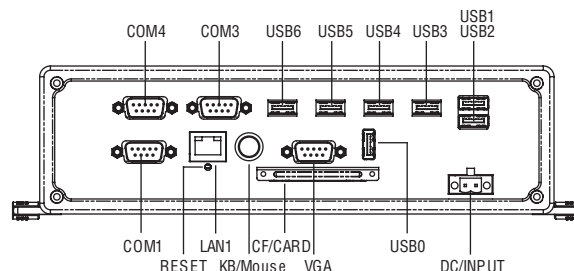
Specifications

| | | |
|------------------|------------------------|---|
| Processor System | CPU | Intel Ultra Low Voltage or Low Voltage Pentium M or Celeron M Processors: ULV Celeron M 1.0 GHz (0 KB L2 Cache) LV Pentium M 1.4 GHz (1 MB L2 Cache) |
| | System Chipset | Intel 852GM GMCH or Intel 855GME chipset Intel ICH4 chipset, 400 MHz FSB |
| | BIOS | 4-Mbit Flash BIOS, supports Plug & Play, APM 1.2 |
| | System Memory | 1 x 200-pin SODIMM socket Supports DDR SDRAM up to 1 GB |
| Graphics | Chipset | Integrated graphics built in to Intel 852GM or 855GME GMCH, utilizing Intel Extreme Graphics 2 technology |
| | Memory | Dynamic video memory allocation up to 64 MB |
| | Interface | CRT Interface 36-bit LVDS interface |
| Ethernet | Controller | 2 x Intel 82551QM 10/100Base-T Ethernet controllers, supports LAN1 and LAN2 |
| Audio | Audio Interface | AC97 stereo sound, Dual 2.2W Amplifier |
| Others | Serial Interface | 3 x RS-232/422/485 ports, 1 x RS-232 port (COM-3/4 RS-485 Supports Auto floor control) |
| | Watchdog Timer | 255 level timer interval, setup by software |
| | Keyboard/Mouse | Supports PS/2 Mouse and PS/2 Keyboard |
| | USB Controller | Integrated USB 2.0 controller on built-in Intel ICH4 chipset supports USB1 ~ USB3 1 x NEC uD720101 PCI USB 2.0 controller supports USB4 ~ USB7 |
| Storage | DIO | Support D-Type, 8 Bits DIO |
| | HDD SSD | Supports Single Drive Bay Space For 2.5" SATA HDD Supports CompactFlash Socket For Type I/II CompactFlash Disk |
| 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) |
| Power | Power Consumption | Typical: 24 W, Max 36 W |
| | Input Voltage | 12 Vdc ~ 24 Vdc, 12 Vdc @ 3 A, 24 Vdc @ 1.5 A |
| Environment | Operating Temperature | When system is equipped with Industrial Grade CompactFlash Disk only: -20° C ~ 60° C When system is equipped with HDD: 0° C ~ 45° C |
| | Relative Humidity | 95% @ 40° C (non-condensing) |
| | Vibration Loading | With CompactFlash disk: 5 Grms, IEC 60068-2-64, random, 5 ~ 500 Hz, 1 Oct./min, 1 hr/axis |
| | During Operation | With 2.5-inch hard disk: 1 Grms, IEC 60068-2-64, random, 5 ~ 500 Hz, 1 Oct./min, 1hr/axis |
| | Shock During Operation | When system is equipped with CompactFlash disk only: 50 G, IEC 60068-2-27, half-sine, 11 ms duration When system is equipped with hard disk: 20 G, IEC 60068-2-27, half-sine, 11 ms duration |
| | EMC | CE/FCC Class A, CCC, BSMI |
| | Safety Certification | CE, UL, CCC, BSMI |

Front Panel External I/O Mechanical Layout/Drawing



Rear Panel External I/O Mechanical Layout/Drawing



Packing List

| Part Number | Description |
|-------------|--|
| - | 1 x ARK-3383 Unit |
| 197001110 | |
| 197001120 | |
| 197001130 | 1 x DIN-Rail Mounting Kit |
| 197001140 | |
| 1700060202 | 1 x PS2 Keyboard/Mouse Cable |
| - | 1 x Utility CD |
| 1700001967 | 1 x Flat cable for RS-485/422 mode of COM2 |
| 1700001394 | 1 x 2-pin Phoenix to DC-Jack power cable |

Ordering Information

| Part Number | Description |
|-----------------|---|
| ARK-3383-2S0B1E | ULV Celeron M 1.0 GHz Embedded Box Computer, with 1 x VGA, 1 x LVDS, 2 x LAN, 4 x COM, 7 x USB 2.0, and Audio, 1 x 8 bits DIO |
| ARK-3383-2S4B1E | LV Pentium M 1.4 GHz Embedded Box Computer, with 1 x VGA, 1 x LVDS, 2 x LAN, 4 x COM, 7 x USB 2.0, and Audio, 1 x 8 bits DIO |

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 |

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

| Part Number | Description |
|------------------|---|
| 2070001112 | XPE with Feature Pack 2007 OS Image and License for ARK-3380/1/2/3/4/9 English Version (600 MB) |
| 2070001113 | XPE with Feature Pack 2007 OS Image and License for ARK-3380/1/2/3/4/9 Traditional Chinese Version (600 MB) |
| 96SW-VISTABS-US1 | Microsoft VISTA Business DSP ENGLISH |