

ITA-1610

Intel® Atom™ D525 Compact System with Dual GigaLAN and Dual Display

NEW

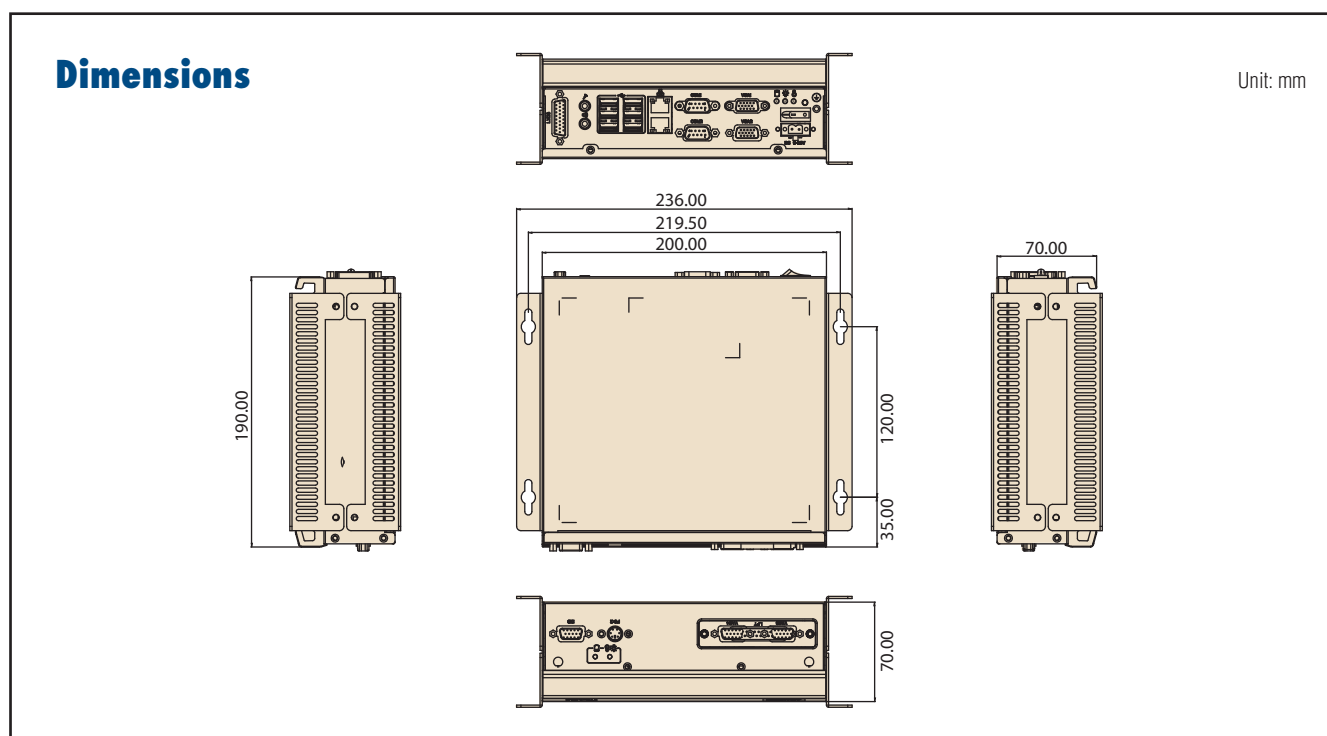


Features

- Fanless, Intel® Atom™ D525, 1.8 GHz Dual Core Compact System
- Supports 9 ~ 36 V wide range DC input
- Supports up to 2 x GbE, 6 x USB 2.0, 6 x COM ports
- Serial ports support RS-232/422/485 with automatic flow control
- Dual display
- Supports 8 channel Digital I/O
- Onboard DDR3 memory up to 2 GB and optional NVRAM
- Supports 1x 2.5" HDD

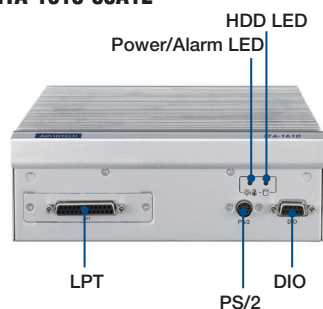
Specifications

| | | | | |
|--------------------------|------------------------|--|---|---------------|
| Processor System | CPU | Intel Atom D525 | | |
| | Max Speed | 1.8 GHz | | |
| | L2 Cache | 1 MB | | |
| | Chipset | Intel ICH8-M | | |
| | BIOS | AMI SPI 16Mb | | |
| Memory | Technology | Single channel DDR3 800 | | |
| | Capacity | Onboard 1 GB or 2 GB | | |
| Graphics | Chipset | Embedded Gen3.5+GFX Core, Frequency 400 MHz | | |
| | VRAM | Shared system memory up to 256 MB SDRAM | | |
| | Dual Display | | 2 x VGA or VGA + LVDS | |
| | | | Single channel max: 2048 x 1536 @ 60Hz Dual channel max: 1366 x 768 @ 60Hz | |
| | LVDS | Support 18bit /24bit single channel up to 1366 x 768 @ 60Hz | | |
| Ethernet | Interface | 10/100/1000 Mbps | | |
| | Controller | 2 x Intel 82583V | | |
| | Connector | 2 x RJ-45 | | |
| Storage | NVRAM | 1 Mb FRAM(Optional) | | |
| | CF | 1 x CompactFlash socket for Type I/II CompactFlash disk | | |
| | HDD | Support 1 x 2.5" HDD | | |
| I/O Interface | VGA | 2 | | |
| | LVDS | 1 | | |
| | LAN | 2 | | |
| | USB | 6 | | |
| | COM | 2 x RS 232/422/485 ports with automatic flow control (Up to 6 ports with additional 4 optional RS-232 Serial ports) | | |
| | Digital I/O | 1 x 8-ch GPIO | | |
| | Audio | 1 x Speaker out with 2x4w amplifier, 1x Mic in | | |
| | PS/2 | 1 | | |
| | Reserved area | 1 (default 1 x LPT port, optional 2 x VGA with PCA-5650) | | |
| Expansion Slots | Mini PCIe | 1 | | |
| Power | Power Input Voltage | DC 9 V ~ 36 V input | | |
| | Output | System reset | | |
| Watchdog Timer | Interval | Programmable 1~255 sec/min | | |
| | Environment | Operating (W/O HDD) | Operating (With HDD) | Non-Operating |
| Physical Characteristics | Temperature | -25 ~ 60° C | 0 ~ 40° C | -40 ~ 85° C |
| | Dimensions (W x H x D) | 220 x 70 x 190 mm | | |

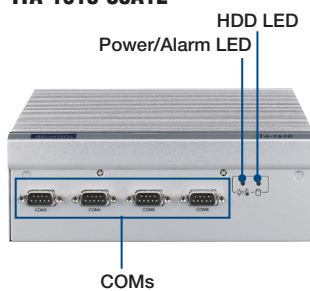


Front View

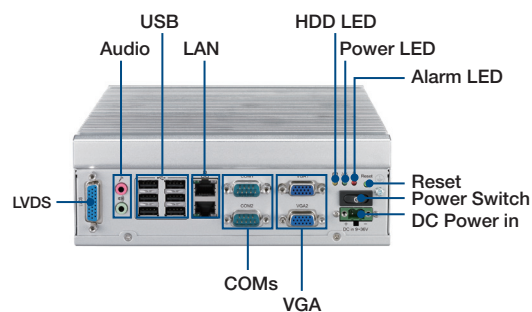
ITA-1610-00A1E



ITA-1610-S0A1E



Rear I/O View



Ordering Information

| Part No. | CPU | Onboard Memory | VGA | COM | GbE LAN | USB | DIO | LPT | PS2 |
|----------------|-------------|----------------|-----|-----|---------|-----|-----|-----|-----|
| ITA-1610-00A1E | D525 1.8GHz | 2GB DDR3 | 2 | 2 | 2 | 6 | 1 | 1 | 1 |
| ITA-1610-S0A1E | D525 1.8GHz | 2GB DDR3 | 2 | 6 | 2 | 6 | 0 | 0 | 0 |

Packing List

| Part No. | Description | Quantity |
|----------------|--------------------------|----------|
| 2002161000 | Startup Manual | 1 |
| 2062161000 | Utility CD | 1 |
| 1960057417N001 | HDD Bracket Part 1 | 1 |
| 1960054855N001 | HDD Bracket Part 2 | 1 |
| 1700009409 | HDD Cable 7P 15cm | 1 |
| 1700017839 | HDD Power Cable 15P 15cm | 1 |
| 1990021567N000 | HDD Thermal Pad | 2 |
| 1960052263N001 | Mounting Bracket | 2 |
| 1652002205 | Plug-in Block 2P | 1 |
| 1960057418N001 | VGA Bracket | 1 |
| | HDD accessories bag | 1 |

Optional Accessories

| Part No. | Description |
|----------------|---|
| PCA-5650-00A1E | Mini PCIe VGA card |
| 1757003659 | ADAPTER 100-240V 65W 19V 3.42A W/PFC 9NA0651348 |
| 1700008972 | Power Cable 2-pin 180cm, USA type (CCC) |
| 1700001948 | Power Cord 2P Europe 2.5A 250V 1.8M |
| 1700001949 | Power Cord 2P UK 2.5A/3A 250V 1.8M |