

# 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



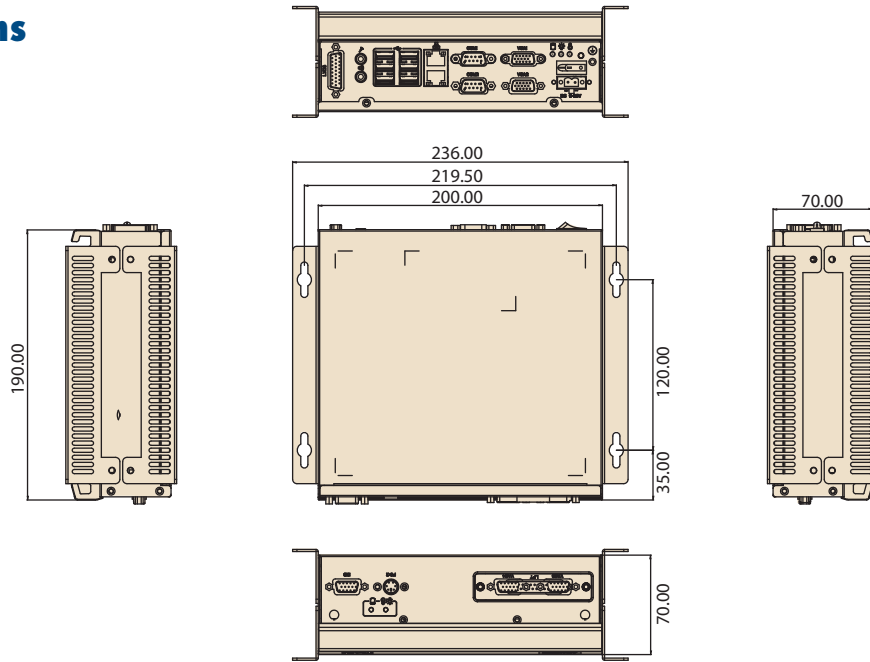
### Specifications

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		
Watchdog Timer	Output	System reset		
	Interval	Programmable 1~255 sec/min		
Environment	Operating (W/O HDD)		Operating (With HDD)	Non-Operating
	Temperature	-25 ~ 60° C	0 ~ 40° C	-40 ~ 85° C
Physical Characteristics	Dimensions (W x H x D)	220 x 70 x 190 mm		

## ITA-1610

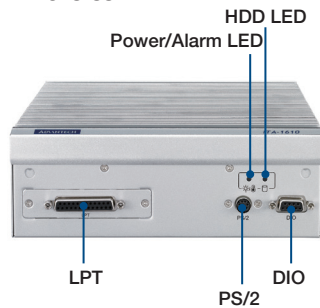
### Dimensions

Unit: mm

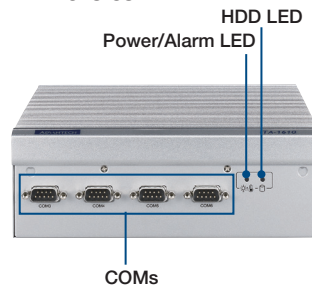


### Front View

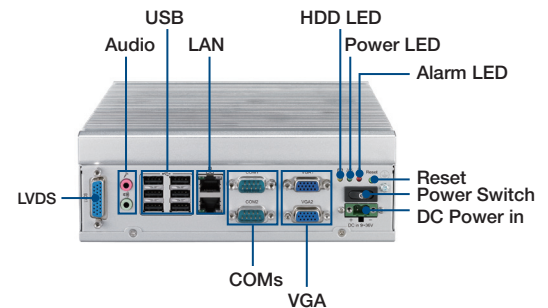
#### ITA-1610-00A1E



#### 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
96PSA-A60W12P2-1	Adapter 100-240V 60W 12V
1700000596	Power Cord (China) CCC, 10A 250V, 3P 1.83M
1702002600-01	Power Cord 3P UL/CSA(USA) 125V 10A 1.83M
1700023534-01	Power Cord UK 3P 13A 250V 183cm