

ITA-1910

Intel® Atom™ D525 AFC with Dual GigaLAN and 16 COM/Expansion Slots



Features

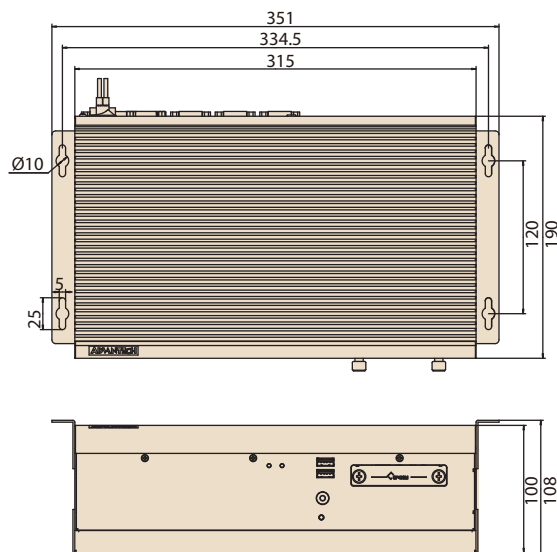
- Intel® Atom™ D525 dual-core processor, 1.8 GHz
- Fanless, compact system design
- Wide power input range (9 ~ 36 V)
- 2 x PCI/PCIe expansion slots
- Supports up to 2 x GbE, 8 x USB 2.0, and 16 x COM ports
- RS-232/422/485 serial ports with automatic flow control
- Onboard DDR3 memory (up to 2 GB) with optional NVRAM
- Supports up to 24 digital I/O channels (24/48-bit)
- Front-accessible easy swap CF/DOM module

Specifications

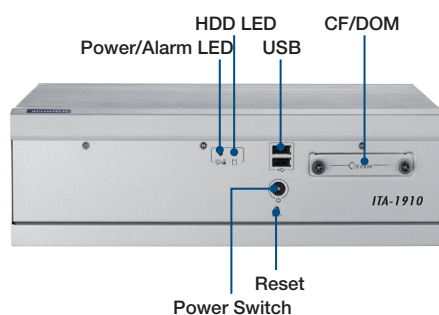
Processor System	CPU	Intel® Atom™ D525 dual-core		
	Max. Speed	1.8 GHz		
	L2 Cache	1 MB		
	Chipset	Intel® ICH8-M		
	BIOS	AMI® SPI 64 Mb		
Memory	Technology	Single-channel DDR3 800		
	Max. Capacity	Onboard 1 GB (up to 2 GB maximum)		
Graphics	Chipset	Embedded Gen 4+ GFX Core, 400 MHz frequency		
	VRAM	Shared system memory up to 256 MB SDRAM		
	Multiple Display	2 x VGA/VGA + LVDS (optional)		
		Single channel maximum: 2048 x 1536 @ 60 Hz Dual channel maximum: 1366 x 768 @ 60 Hz		
Extension Graphics (Optional)	LVDS	Supports 18-bit single channel, up to 1366 x 768 @ 60 Hz (optional)		
	Chipset	SMI SM750 GPU		
	VRAM	On chip 16 MB		
	Multiple Displays	2 x VGA		
	Max Resolution	1 Mb FRAM (optional)		
Ethernet	Interface	1 x mSATA socket		
	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 1 x Easy swap SATA DOM CompactFlash module		
	HDD	Supports 2.5" HDD (optional)		
I/O Interface	VGA	2		
	LAN	2		
	USB	8		
	Serial	16 x RS-232/422/485 serial ports with automatic flow control		
	Digital I/O	12-channel GPI and 12-channel GPO (with an optional additional 12-channel GPI and 12-channel GPO)		
	Audio	1 x Speaker out with 2 x 4W amplifier, 1 x mic in		
Expansion Slots	PCI 32-bit	1		
	PCIe x1	2 (w/o 6 x COM I/O card)		
	Mini PCIe	1		
Power	Input Voltage	9 ~ 36 V DC		
Watchdog Timer	Output	System reset		
	Interval	Programmable 1 ~ 255 sec/min		
Environment	Temperature	Operating (w/o HDD)	Operating (with HDD)	Non-Operating
		-25 ~ 60 °C	0 ~ 40 °C	-40 ~ 85 °C
Physical Characteristics	Dimensions (W x H x D)	315 x 190 x 100 mm		

Dimensions

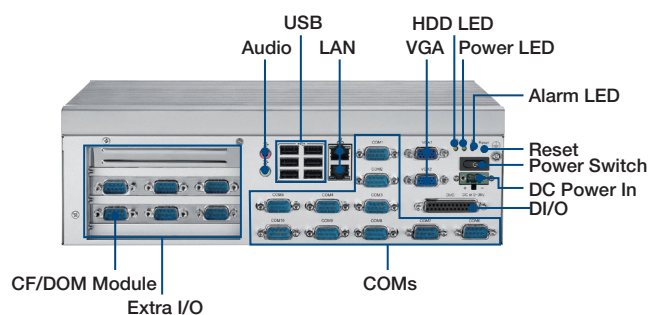
Unit: mm



Front View



Rear View



Ordering Information

Part Number	CPU	Onboard Memory (DDR3 800 MHz)	COM (RS-232/422/485)	DI/O
ITA-1910-00A1E	D525 1.8 GHz	1G	16	24 bit
ITA-1910-01A1E	D525 1.8 GHz	2G	16	24 bit

Packing List

Part Number	Description	Quantity
2002191000	Startup manual	1
2062171000	Utility CD	1
1700019558	CF cable, 35 cm	1
1960052263N001	Mounting bracket	2
1960055919N001	DOM bracket	1
1652002205	Plug-in terminal block, 2 pin	1
1990006571S000	Rubber pad	4
9662191000E	HDD bracket accessory box	1

Optional Accessories

Part Number	Description
PCA-5650-00A1E	Dual VGA output Mini PCI Express graphics card
96PSA-A60W12P2-1	Adapter 100 ~ 240 V, 60W, 12 V
1700000596	Power cord (China) CCC, 10A 250V, 3P, 1.83 M
1702002600-01	Power cord UL/CSA (USA) 125V 10A, 3P, 1.83 M
1700023534-01	Power cord (UK) 13A, 250V, 3P, 1.83 M
1700019591	COM cable, 10 cm
1700019592	DI/O cable, 15 cm
1700002223	Parallel cable, 32 cm

Mouser Electronics

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