

ITA-5710

**Intel® Atom D525 Fanless Compact System with
3 x M12 GigaLAN, 2 x M12 USB and Dual Display
Fully compliant with EN 50155**

NEW



susiAccess



Features

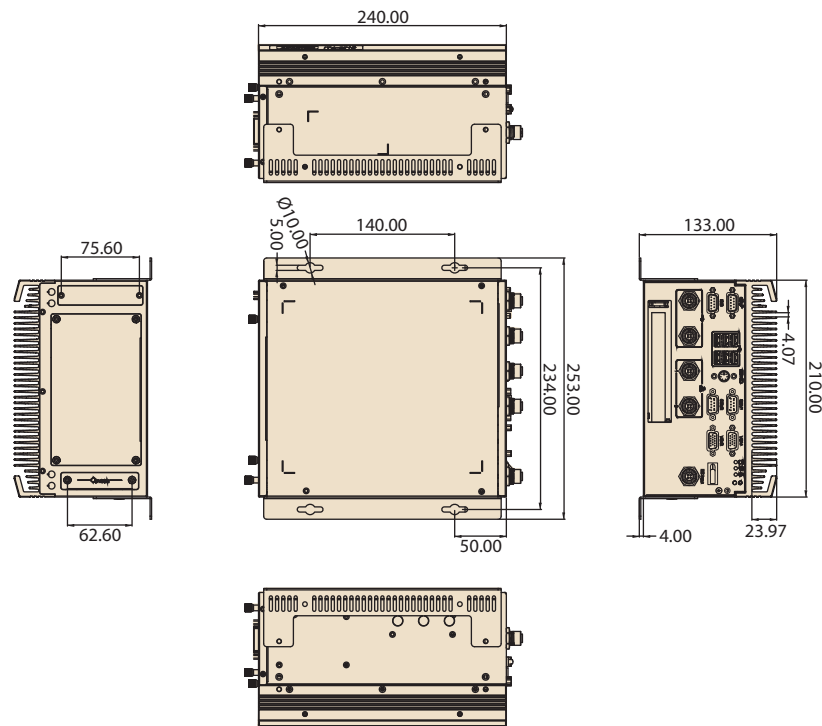
- Fanless computer for railway vehicle applications, fully compliant with EN 50155
- Satisfy temp. standard: EN 50155 T2 (-40 ~ 55° C) and IEC 61373 body mount class B
- Compliant with EN 50121-3-2 EMC test standard
- Ruggedized connectors (M12) used for communication and power ports
- Optional PCI/Mini PCIe slots for expansion
- Support Easy-swap HDD/SSD/CF module

Specifications

System Chipset	CPU	Intel® Atom™ D525	
	Max Speed	1.8 GHz	
	L2 Cache	1 MB	
	Chipset	Intel ICH8-M	
	BIOS	AMI SPI 16 Mb	
Memory	Technology	Single channel DDR3 800	
	Max. Capacity	Onboard 2GB	
Display	Chipset	Embedded Gen3.5+ GFX Core, Frequency 400 MHz	
	VRAM	Shared system memory up to 256 MB SDRAM 2 x VGA or VGA + LVDS (Optional)	
	Dual Display	Single Channel Max: 2048 x 1536 @ 60Hz Dual Channel Max: 1366 x 768 @ 60Hz	
	LVDS	Support 18-bit single channel up to 1366 x 768 @ 60 Hz (Optional)	
Ethernet	Controller	Intel i210-IT	
	Interface	10/100/1000 Mbps	
	Connector	2 x M12 A-coded(F) 8-pin	
Storage	HDD/SSD	1 x 2.5" SSD/HDD Easy-Swap bay	
	Others	1 x CompactFlash socket for Type I/II CompactFlash disk on M/B 1 x Easy-Swap CF/SATA DOM Module	
I/O (Others)	USB	2 x USB2.0 with M12 A-coded(F) 4-pin 6 x USB2.0 with Type A	
	Serial Port	2 x DB9, RS-232/422/485, Support auto-flow control	
	DIO	1 x DB9, 8-bit	
	VGA	2 x DB15	
	Audio	1 x DB9, 1 x Speaker-out with 2 x 4W Amp., 1 x Mic-in	
	PS2	1 x PS2	
Expansion Slot	Mini PCIe	1 x Mini PCIe Socket (Full size) 1 x Mini PCIe Socket (Full/Half size)	
	PCI	1 x PCI32 33Mhz Slot	
LED & Button	LED	1 x Power, 1 x Storage, 1 x Alert	
	Button	1 x Power on/off Switch 1 x Reset Button	
Power	Input Voltage	DC 24V input compliant with EN50155 class S2/C1 (Optional DC 48/72/110V input)	
	Connector	1 x M12 A-coded(M) 4-pin	
Watchdog Timer	Output	System reset	
	Interval	Programmable 1~255 sec/min	
Environment	Temperature	Operating (with Industrial SSD/CF)	Non-Operating
	Humidity	-40 ~ 60° C 5% ~ 95% @ 40° C	-40 ~ 85° C
Mechanical	Dimension (W x H x D)	210 x 129 x 240 mm 253 x 133 x 240 mm (with Supporting-angels)	
	Install	Desktop/Wall-mounting	
Certification	EMC	CE/FCC Class A, CCC	
	Safety	UL, CB, CCC	
EN 50155 Compliance	Ambient Temperature	EN 50155 T2 (-40 ~ 55° C)	
	Shock and Vibration	IEC 61373 body mount class B	
	Interruptions of Voltage Supply	Class S2	
	Supply Change Over	Class C1	
	EMC	EN 50121-3-2	

Dimensions

Unit: mm



Ordering Information

Part number	CPU	On board Memory	Ethernet (M12/A-code/ 8-pin/Female)	USB (M12/A-code/ 4-pin/Female)	Power input (M12/A-code/ 4-pin/Male)	mini-PCle Slot	COM (DB9)	2.5" SSD Tray	CF/DOM Tray	Power Input
ITA-5710-00A1E	Atom D525	2G DDR3	2	2	1	2	2	1	2	24 V _{DC}

Accessory

M12 Connector (Need to purchase separately)

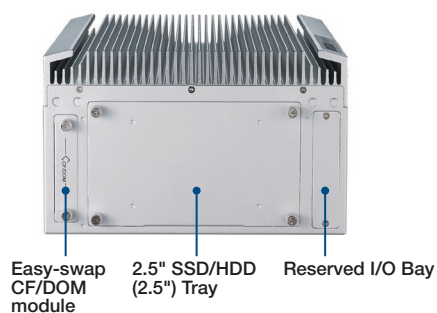
Advantech P/N	Description
Y5A5730000	M12 A-coded, 4-pin Female, Power
Y5A5730001	M12 A-coded, 8-pin Male, LAN
Y5A5730002	M12 A-coded, 4-pin Male, USB

M12 Cable (Need to purchase separately)

Advantech P/N	Description
1700022203-01	A-coded 4-pin Female to 2-pin European terminal, 10cm, Power cable
1700023142-01	A-coded 8-pin Male to standard port(Type A), 10cm, USB cable
1700022205-01	A-coded 4-pin Male to RJ45, 10cm, LAN cable

I/O View

Front



Rear

