

ITA-2230

Intel® Core™ i7 Fanless, 2U Rackmount System with 3 ITAM Modules



Features

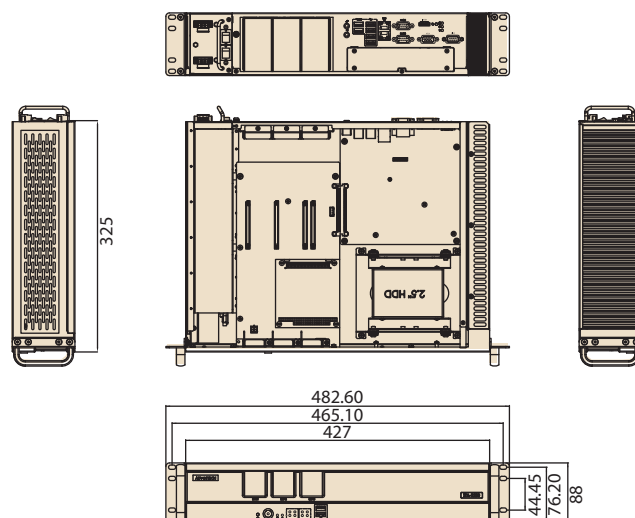
- Intel® Core™ i7-3555LE processor, 2.5 GHz
- 4 GB of onboard DDR3 memory
- Fanless, 2U rackmount system
- Supports 3 x ITAM modules for I/O expansion
- Supports easy swap power modules
- 4 x USB 3.0 and 4 x USB 2.0
- 1 x HDMI and 1 x VGA display output
- Compliant with EN50121-4 standards for railway applications

System Specifications

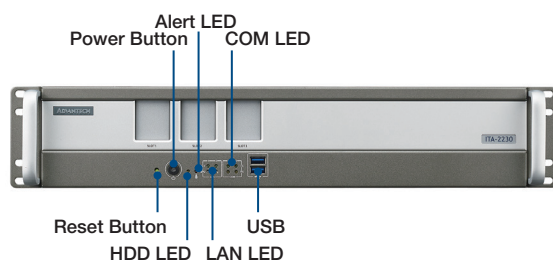
Processor System	CPU	Intel® Core™ i7-3555LE (25W) processor			
	Max. Speed	2.5 GHz			
	L2 Cache	6 MB			
	Chipset	Intel® HM76			
	BIOS	AMI® SPI 64 Mb			
Memory	Technology	DDR3 1600			
	Max. Capacity	Onboard 4 GB			
Graphics	Chipset	Intel® HD4000			
	VRAM	Shared system memory up to 512 MB SDRAM			
	Dual Display	1 x VGA, 1 x HDMI, and 1 x eDP (optional)			
Ethernet	Interface	10/100/1000 Mbps			
	Controller	Dual channel maximum: 1920 x 1080 @ 60 Hz			
	Connector	2 x RJ-45			
Storage	SSD	1 x Full-size mSATA			
	HDD	1 x 3.5" or 2 x 2.5" HDD bay			
I/O Interface	VGA	1			
	HDMI	1			
	LAN	2			
	USB	4 x USB 3.0, 4 x USB 2.0			
	Serial	2 x DB9 (RS-232/422/485)			
	Digital I/O	1 x 8-channel TTL GPIO			
	Audio	1 x Speaker out with 2 x 4W amplifiers, 1 x mic in			
Expansion Slots	ITAM	3			
	PC104+	1			
	Mini PCIe	1			
Power Module		Single Power Module		Dual Power Module	
	Input Range	100 ~ 240 V AC or 110 V DC		Dual 100 ~ 240 V AC or 110 V DC	
	Connector	1 x 3-pin terminal block (5.08 mm)		2 x 3-pin terminal block (5.08 mm)	
	Wattage (60 °C)	110 W		110 W (load balance)	
Watchdog Timer	Output	System Reset			
	Interval	Programmable 1 ~ 255 sec/min			
Environment		Operating (with SSD)		Operating (with HDD)	Non-Operating
	Temperature	-25 ~ 60 °C		0 ~ 40 °C	-40 ~ 85 °C
Physical Characteristics	Dimensions (W x H x D)	483 x 88 x 325 mm			
Certification	EMC	CE/FCC Class A			
	Safety	UL, CB, CCC			
	Compliance	EN 50121-4, Level-4 EMS			

Dimensions

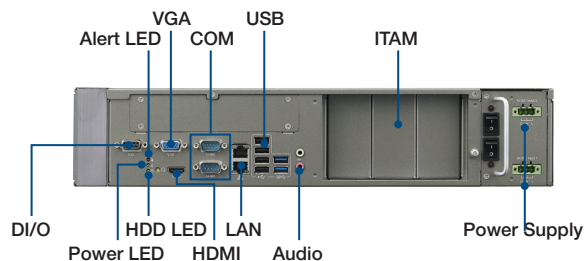
Unit: mm



Front View

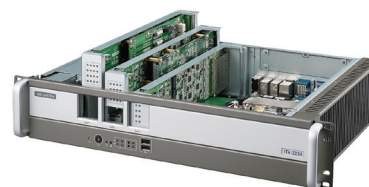
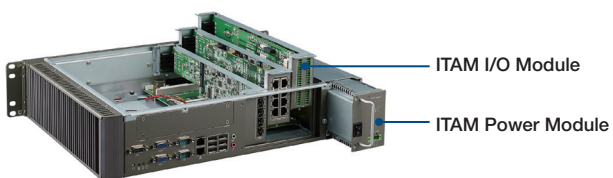


Rear View



ITAM I/O Module and Power Module

The optional ITAM I/O module enables LAN and serial port expansion.



Packing List

Part Number	Description	Quantity
200K223000	Startup manual	1
206K223000	Driver CD	1
1700008941	SATA cable, 7 pin	2
1700017929	SATA power cable, 4 pin	1
1700022322-01	SATA power cable, 5 pin	1
1990001365	HDD rubber	4
1960018229N100	2.5" HDD bracket	2
1656303100	Terminal block, 3 pin	2
1960018229N100	2U rackmount ear	2
1960021557S000	Handle bracket	2

Ordering Information

Part Number	Description
ITA-2230-00A1E	Intel Core i7, 4G onboard memory, single AC/DC power input, 2U rackmount
ITA-2230-10A1E	Intel Core i7, 4G onboard memory, dual AC/DC power input, 2U rackmount
ITA-2230-20A1E	Intel Core i7, 4G on board memory, Single AC/DC power input w/ safety, 2U Rackmount
ITA-2230-30A1E	Intel Core i7, 4G on board memory, Dual AC/DC power input w/safety, 2U Rackmount

Optional Accessories

Part Number	Description
ITA-EM-SR21-10A1E	8-port RS-232/422/485 ITAM module
ITA-EM-SR21-00A1E	8-port RS-232/422/485 ITAM module with 2.5KV isolation
ITA-EM-NC21-C0A1E	8-port GbE ITAM module with RJ45 connector
ITA-EM-NC22-C0A1E	4-port GbE ITAM module with RJ45 connector
ITA-EM-NC22-F0A1E	4-port GbE ITAM module with SFP connector
1700023045-01	Power cable, 3 pin(F)/1* 10 cm for ITA-2210