

# ITA-2230

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



### Features

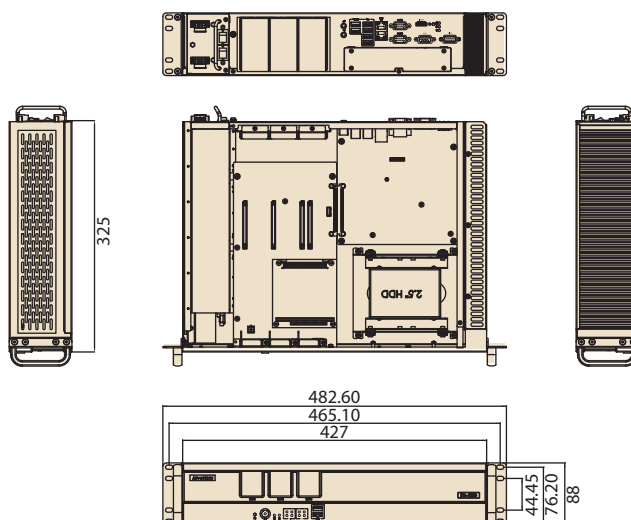
- Intel® Core™ i7-3555LE processor, 2.5 GHz
- 4 GB of onboard DDR3 memory
- Fanless, 2U rackmount system
- Supports 3 x ITAM modules for I/O expansion
- Supports easy swap power modules
- 4 x USB 3.0 and 4 x USB 2.0
- 1 x HDMI and 1 x VGA display output
- Compliant with EN50121-4 standards for railway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

### System Specifications

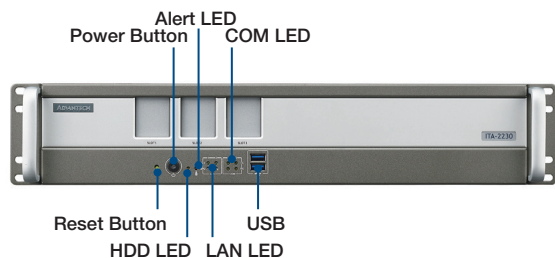
Processor System	CPU	Intel® Core™ i7-3555LE (25W) processor		
	Max. Speed	2.5 GHz		
	L2 Cache	6 MB		
	Chipset	Intel® HM76		
Memory	BIOS	AMI® SPI 64 Mb		
	Technology	DDR3 1600		
Graphics	Max. Capacity	Onboard 4 GB		
	Chipset	Intel® HD4000		
	VRAM	Shared system memory up to 512 MB SDRAM		
Ethernet	Dual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

## Dimensions

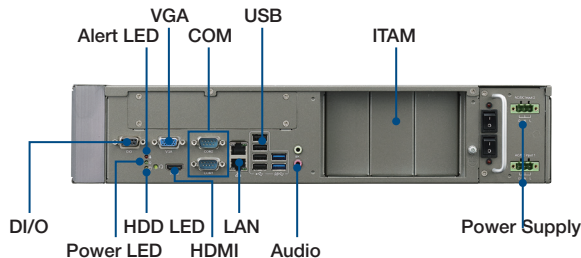
Unit: mm



## Front View

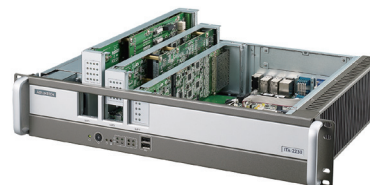
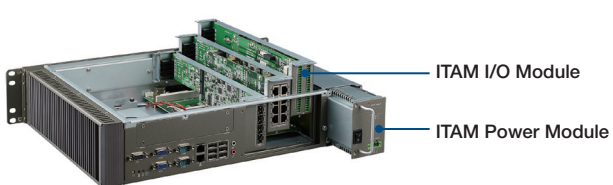


## Rear View



## 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