

# ITA-2211

## Intel® Atom™ E3845, Fanless, 2U Rack-mount System with 3 ITAM Modules

**NEW**

Fully Compliant with  
**EN 50121-4**



### Features

- Intel® Atom™ E3845 processor, 1.91 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
- 2 x GbE and 2 x RS232 ports
- 6 x USB 2.0 and 1 x USB 3.0
- 1 x VGA and 1 x DVI-D display outputs
- Compliant with EN50121-4 standards for railway applications

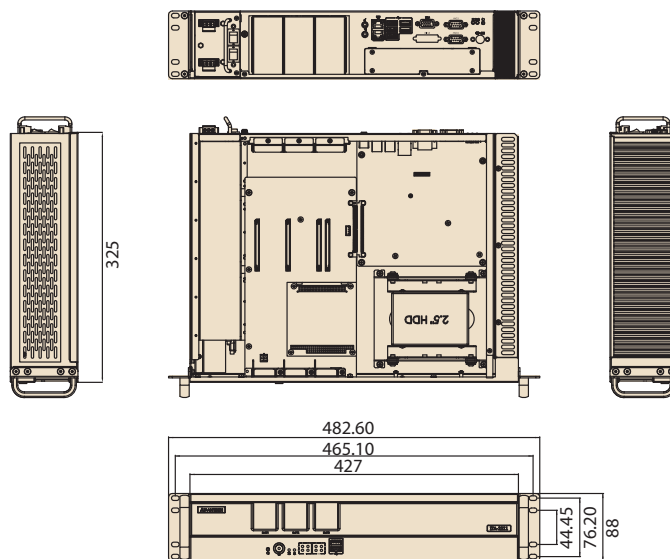


### System Specifications

Processor System	CPU	Intel® Atom™ E3845 quad-core processor		
	Max. Speed	1.91 GHz		
	L2 Cache	2 MB		
	BIOS	AMI® SPI 64 Mb		
Memory	Technology	Single/dual-channel DDR3 1333		
	Max. Capacity	Onboard 4 GB (up to 8 GB)		
Graphics	Chipset	Embedded Intel® Gen 7 Graphics, 542 MHz frequency		
	VRAM	Shared system memory up to 256 MB SDRAM		
	Dual Display	1 x VGA and 1 x DVI-D		
		2 x VGA/VGA + DVI-D/VGA + LVDS Single channel maximum: 1920 x 1080 @ 60 Hz		
Ethernet	Interface	Dual channel maximum: 1920 x 1080 @ 60 Hz		
	Controller	2 x Intel® I210-IT		
	Connector	2 x RJ-45		
Storage	SSD	1 x mSATA slot (SATA2 and mSATA are optional)		
	HDD	1 x 3.5" or 2 x 2.5" HDD bay		
I/O Interface	VGA	1		
	DVI D	1		
	LAN	2		
	USB	6 x USB 2.0 and 1 x USB 3.0		
	Serial	2 x DB9 (RS-232/422/485)		
	PS/2	1		
Expansion Slots	Audio	1 x Speaker out with 2 x 4W amplifiers, 1 x mic in		
	ITAM	3		
	PCI104	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



Reset Button  
Power Button  
HDD LED  
Alert LED  
LAN LED  
COM LED  
USB

## Rear View



PS2  
VGA  
2 x RJ45  
4 x USB 2.0  
1 x USB 3.0  
DVI D  
Power Module

## ITAM I/O Module and Power Module

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



ITAM I/O Module

ITAM Power Module



## Packing List

Part Number	Description	Quantity
200K221000	Startup manual	1
206K221000	Driver CD	1
1700020513-01	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
1960000406T004	2U rackmount ear	2
1960021557S000	Handle bracket	2

## Ordering Information

Part Number	Description
ITA-2211-00A1E	Intel Atom E3845, 4G onboard memory, single AC/DC power input, 2U rackmount
ITA-2211-10A1E	Intel Atom E3845, 4G onboard memory, dual AC/DC power input, 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-FOA1E	4-port GbE ITAM module with SFP connector
1700023045-01	Power cable, 3 pin(F)/1* 10 cm for ITA-2210