

ITA-5512

Intel® Atom™ E3950 Fanless Compact System; EN 50155 Compliant for Railway Applications

NEW

Fully Compliant with
EN 50155



Features

- Built-in Intel® Atom™ quad-core processor
- Fanless computer for railway vehicle compact system for rolling stock applications, fully compliant with EN 50155
- Satisfies temp. standard: EN 50155 TX (-40 ~ 70 °C) and IEC 61373 body mount class B
- Compliant with EN 50121-3-2 EMC test standard
- Supports Easy-swap SSD module
- Optional DC 24V/72V/110V Input
- Support Ingress Protection 65
- No RED Certification

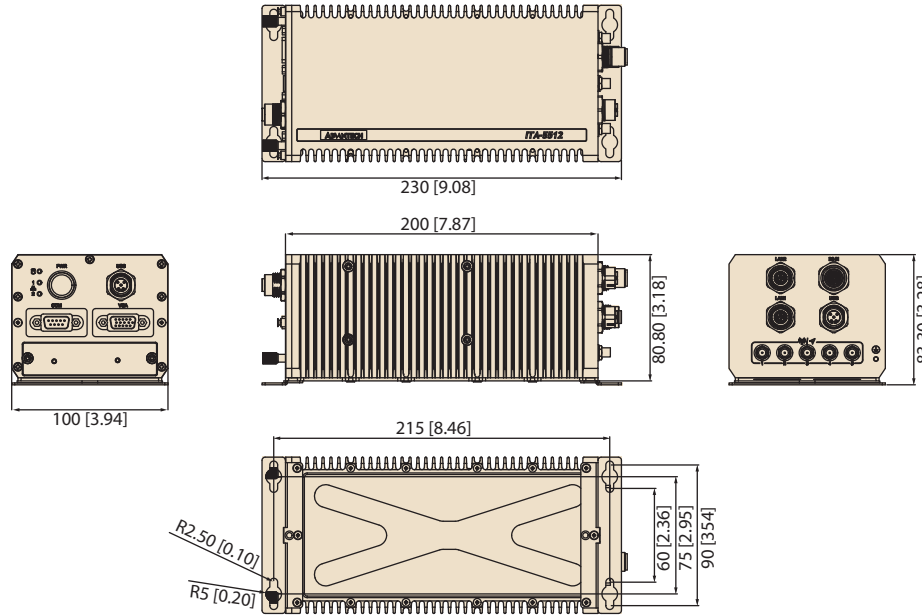


Specifications

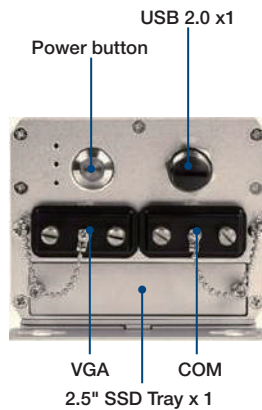
Processor System	CPU	Intel® Atom™ X7-E3950 quad-core processor, TDP 12W	
	Max Speed	Up to 2.0 GHz	
	L2 Cache	2MB	
	BIOS	AMIR SPI 64 Mb	
Memory	Technology	On board 8GB DDR3L-1866MHz	
	Capacity	8GB	
Graphics	Chipset	Intel® HD Graphics 505	
	Display ports	1 x VGA	
Ethernet	Controller	2 x Intel® I210-IT	
	Interface	10/100/1000 Mbps	
	Connector	2 x M12 X-coded(F)	
Storage	SSD	1 x 2.5" SSD	
	eMMC	On-board 32GB eMMC 5.0 interface	
Others	GPS	1 (optional)	
Front I/O	USB	2 x USB 2.0 with A-coded	
	Serial Port	1 x DB9, RS-232/422/485 with 2KV Isolation, supports auto-flow control	
	Display	1 x DB15, VGA	
Rear I/O	LAN	2 x LAN with M12 X-coded(F)	
Expansion Slots	Mini PCIe	1 x Mini PCIe and 1 x M.2 B-key support 2242, 3042 with 1 x SIM slot	
Power Input	Input Voltage	DC 110V input compliant with EN50155 class S2/C1 (Optional DC 24/72V/110V input)	
	Connector	1 x M12 A-coded(M) 4-pin	
Watch Dog	Output	System reset	
	Interval	Programmable 1 ~ 255 sec/min	
Environment	Temperature	Operating -40 ~ 70 °C	Storage -40 ~ 85 °C
	Relative Humidity	5~ 95% @ 40 °C non-condensing	0 ~ 95% @ 40 °C non-condensing
Mechanical	Dimensions (W x H x D)	215 x 100 x 80 mm	
	Installation	Wall-mount by mounting bracket	
Certification	EMC	CCC	
	Safety	CCC	
EN50155 Compliance	Ambient Temperature	EN 50155 Tx (-40 ~ 70 °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

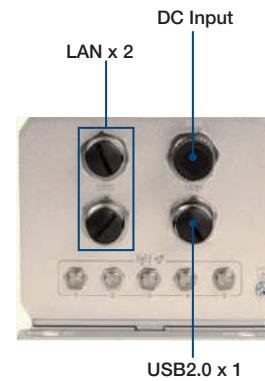
Unit: mm [inch]



Front View



Rear View



Ordering Information

product name	CPU	Memory	GbE (M12-X-F)	USB2.0	MiniPCIe	M.2	SSD	COM	VGA	Voltage
ITA-5512-LOA1	X7-E3950	8G onboard	2	2	1	1	1	1	1	24V
ITA-5512-SOA1	X7-E3950	8G onboard	2	2	1	1	1	1	1	72V/110V

Optional Accessories

M12 Cable (Must purchase separately)

Part Number	Description
1700023142-01	M Cable USB-A 4P(F)/Waterproof 4P(F) 10cm
1700026432-21	LAN cable: M12 x-code-> RJ45,10cm
1700029923-01	M cable plug-in 5P-5.0/Waterproof 4P 10cm