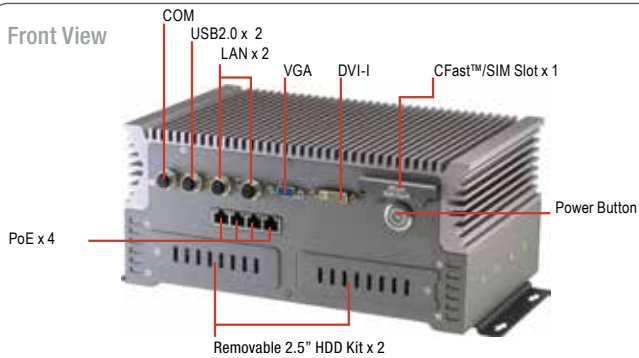


BOXER-6357VS

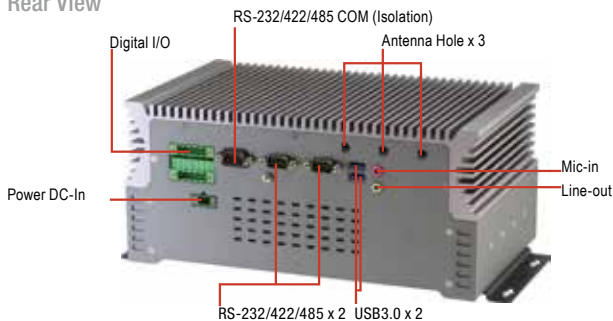
Railway Embedded Computer with Intel® Core™ i7-3517UE Processor

Rugged M12 Connector for LAN/ Serial/ USB/ Power

Front View



Rear View



Features

- Onboard Intel®™ Core i7-3517UE
- Well-protection: Isolation RS-232/422/485 x 1/ Power (OVP/ LVP/ SCP)
- Easy-to-control: Isolation Digital Input x 4 + Digital Output x 2
- Wireless Solution: Wi-Fi/ 3G/ GPS
- Power Input: 16.5 ~ 75V, 43 ~ 160V Compliant
- Rugged M12 Connector for LAN/ Serial/ USB/ Power
- EN50155Tx Certified



Specifications

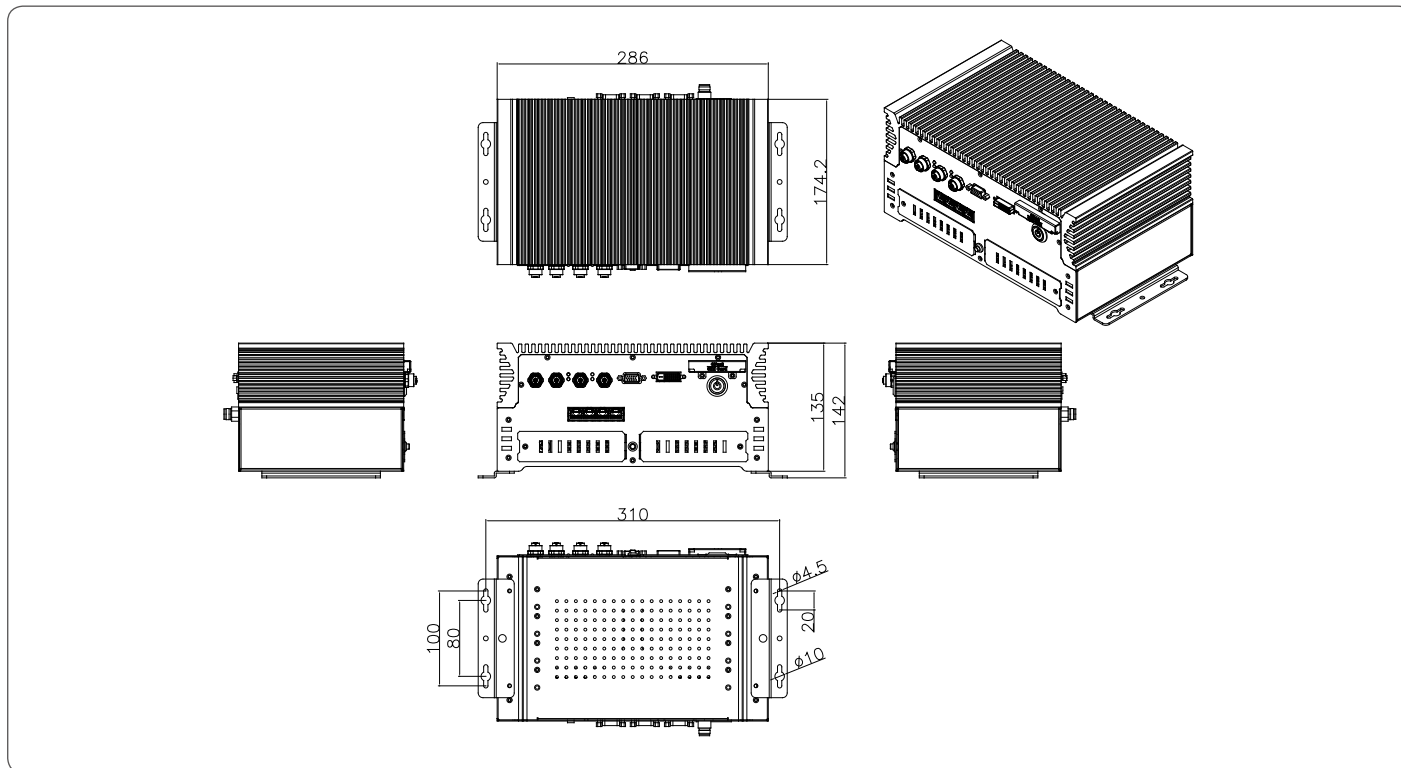
CPU	Intel® Core™ i7-3517UE (4M Cache, up to 2.80 GHz)	
Chipset	Intel® QM77	
System Memory	DDR3 1333/1600 SODIMM x 2, Max. 16 GB	
Display Interface	VGA	DB-15 x 1 for VGA
	DVI	DVI-I x 1
	HDMI	—
	Others	—
Storage Device	CF/Cfast	CFast™ slot x 1
	2.5" HDD/SSD	2.5" SATA HDD bay x 2 * 2 bays for easy access, support Hot-plug/Hot-swap/HDD Pluggable LED Switch * Supports RAID 0, 1 for 2 HDDs
Network	LAN	Gigabit Ethernet
Device	Wireless	Optional by MiniCard wireless module
Front I/O	USB Host	USB 2.0 x 2 (M12, Female) M12 female x 1 for USB2.0 x 2
	LAN	M12 Female x 2 for Gigabit Ethernet (Intel)
	Serial Port	M12 Female x 1 for RS-232/422/485
	DIO	—
	Audio	—
	KB/MS	—
	Others	Power on/off LED button x 1, VGA x 1, DVI-I x 1 Easy Access CFast™ slot x 1 (Covered) Easy Access SIM slot x 1 (Covered) Removable 2.5" HDD kit (SATA III-6.0 G) x 2 HDD Pluggable Switch LED (via cable) 2-pin Remote Power on/off Switch (via cable) Optional 802.3f PoE x 4
	Rear I/O	USB Host
LAN		RJ-45 x 2 for Gigabit Ethernet (Intel)
Serial Port		DB-9 x 1 for RS-232/422/485 (isolation), DB-9 x 2 for RS-232/422/485
DIO		Digital Input x 4 (isolation), Digital Output x 2 (isolation)
Audio		Line-out x 1, Mic x 1
Others		M12 4-pin male x 1 for DC-in (16.5 ~ 75V, 43~160V) Antennal holes x 3

Expansion	PCI-E [x1]	—
	PCI	—
	Mini Card	Ful-size mini card x 3 (BOM optional mSATA)
	Mini PCI	—
Indicator	Others	Sim Card Socket x 3
	Front	System LED x 1 on power button
Power Requirement	Power Consumption	—
System Cooling	Mounting	Passive
Operation Temperature	Humidity	-40°C to 70°C, 85°C for 10 minutes
Altitude	Salt Mist	<2500meters
Insulation Resistance	Insulation Resistance	conforms to EN50155
Voltage withstand	Voltage withstand	-conforms to EN50155 -Powersupply voltage range conforms to Italian standar ST306158 0,6<U/Un<1,5 -Power supply variation conforms to Italian SCMT 0,6<U/Un<1,67 during 0,1sec -Power supply voltage switching (EN 50155 § 3.1.3) Class C1
	Mechanical Earth Continuity	Conforms to Standard STM-E-001 Acceptance criteria = R<100 mΩ Every metallic part accessible to the user must be connected to the mechanical earth (NF F 60100)
Pollution EMC	Pollution EMC	compliant with: EN60721-3-5 standard
ESD	ESD	compliant with EN50121 standard, EN55022/ EN55024
Expansion Slot	Expansion Slot	PCIe Mini card x 3
Radiated electromagnetic fields	Radiated electromagnetic fields	Radiated immunity Test method EN 61000-4-3
Immunity to fast transients bursts	Immunity to fast transients bursts	Conforms to Standard reference: EN 50155 (§ 10.2.7)/ EN 50121-3-2 Fast transient burst immunity, Test method EN 61000-4-4
Surges immunity	Surges immunity	Standard reference: EN 50155 (§ 10.2.6.2)/ EN 50121-3-2 Surge immunity, Test method EN 50155 (§ 10.2.6.2)
Conducted disturbances induced by radio-frequency fields	Conducted disturbances induced by radio-frequency fields	Test method EN 61000-4-6, 150kHz-80MHz 1kHz, 80%AM, 10 Vrms
Emission measurement	Emission measurement	Conducted emissions Standard reference: EN 50155 (§ 10.2.8.2)/ EN 50121-3-2 Radiated emission, Test method EN 55011, Class A, 30MHz-230MHz 40dBµV, 230MHz-2.4GHz 47dBµV.
Protection against electrical hazards	Protection against electrical hazards	PD2 environment as defined in EN50124 Over-Voltage degree (OV2)Rationale
Fire and smoke	Fire and smoke	conforms to NF F 16101 for cables and NF F 16102 for equipment
Shocks and vibrations	Shocks and vibrations	Test method EN 61373 (random vibration) Test method EN 61373 (random vibration) Test method EN 61373 (random vibration)
Dimension (W x H x D)	Dimension (W x H x D)	11.26" x 6.86" x 5.32" (286mm x 174.2mm x 135mm)
Gross Weight	Gross Weight	—
Net Weight	Net Weight	—
Note	Note	Windows® 7, Windows® 8.1, Windows® XP

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Dimension

Unit: mm



Ordering Information

Part Number	CPU	RAM	LAN	POE	USB3.0	USB 2.0	RS-232	RS-232/422/485	RS-232/422/485 with isolation	Isolation DIO	Audio	Storage	Display	Expansion	Mounting	Power	Temp.
BOXER-6357VS-A01-1010	i7-3517UE	—	2	4	2	2	2	1	1	D1 x 6 D0 x 2	Line-out x 1 Mic-in x 1	—	VI-1 x 1 VGA x 1	Full-size Mini-card x 3 SIM slot x 3	Wallmount Desktop	DC 24V	—

Packing List

- Waterproof Power Kit x 1
- Wallmount Bracket x 2
- M12 Power DC Jack Kit x 1
- M12 USB Y Cable x 2
- M12 COM Cable x 1
- M12 LAN Cable x 2
- Product DVD
- BOXER-6357VS

Optional Accessories

- USB x 2 Y Cable with M12 Male Connector
- COM Cable x 1 with M12 Male Connector
- LAN Cable x 1 with M12 Male Connector
- M996356000
Waterproof Power Kit
- 9761635600
3G & GPS Module
- 9761635601
WiFi 802.11 b/g/n Module