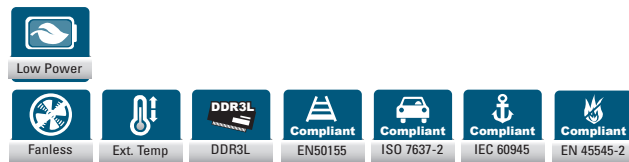


tBOX100-838-FL

Fanless Embedded System with Intel Atom® Processor E3845 for Railway, Vehicle and Marine PC

Features

- CE, FCC, EN 50155, EN 45545-2, ISO 7637-2 and IEC 60945 compliant
- Intel Atom® processor E3845 4C @ 1.91 GHz
- Fanless and Wide operating temperatures from -40°C to +60°C
- 4GB DDR3L-1333 memory onboard
- Compact size with multiple I/Os
- Intelligent solution of vehicle power management (ACC ignition)
- 1 PCI Express Mini Card slot and 1 SIM card slot



Specifications

Standard Color	Silver	
Construction	Aluminum extrusion and heavy-duty steel, IP30	
CPU	Intel Atom® E3845 4C @1.91 GHz, TDP: 10W	
Chipset	SoC integrated	
System Memory	DDR3L-1333, 4GB memory onboard	
BIOS	AMI	
System I/O Outlet	Serial	1 x DB9 serial console or RS-232/422/485
	Display	1 x VGA (supports up to 1920 x 1080 @60Hz)
	Video/Audio	5 x BNC (4 x video-in/1 x audio-in)
	Ethernet	Railway: 2 x M12 A-coded 10/100/1000 Mbps Ethernet (Intel® i210-IT) Vehicle: 2 x RJ-45 10/100/1000 Mbps Ethernet (Intel® i210-IT)
	USB	2 x USB 2.0
	Others	1 x Reset button 1 x Remote switch 4 x Antenna opening
Expansion Interface	1 x Full-size Rev.1.2 PCI Express Mini Card slot: • 1 x mSATA/USB/PCIe with SIM socket	
Storage	SATA Drive	1 x Swappable 2.5" SATA drive (9.5 mm height)
	mSATA	1 x mSATA (occupied 1 x PCI Express Mini Card slot)
Watchdog Timer	255 levels, 1 to 255 sec.	
Power	Power Supply	Railway: 1 x M12, 24 VDC Vehicle: 1 x terminal block, 12/24 VDC with ACC ignition Marine: 1 x terminal block/M12 DC-in, 24 VDC
	Power Consumption	24V, 1A

System Indicator	1 x LED indicator for SATA drive activity 1 x LED indicator for power 2 x LED indicator for LAN activity 2 x Programmable	
Operating Temperature	-40°C to +60°C (-40°F to +140°F) with W.T. peripheral*	
Humidity	0% to 95%, non-condensing	
Dimensions	163.8 mm (6.44") (W) x 108 mm (4.25") (D) x 56.3 mm (2.22") (H) (without wall mount)	
Mounting	Wall mount, Din-rail	
Weight (net/gross)	0.77 kg (1.70 lb)/1.44 kg (3.17 lb)	
Certifications	CE (Class A), FCC (Class A), EN 50155, EN 45545-2, IEC 60945 and ISO 7637-2 compliant	
EMC	CE/FCC	EN 55022 (Class A), EN 55024, FCC Part 15 B (Class A)
	EN 50155	EN 50121-3-2, IEC 62236-3-2
	IEC 60945	IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5, IEC 61000-4-6, CISPR 16-1-1, CISPR 16-1-2, CISPR 16-1-4
Vibration Endurance	2 Grms w/ SSD (5 to 500Hz, X/Y/Z direction; random) 2 Grms w/ HDD & Anti-Vibration Kit (5 to 500Hz, X/Y/Z direction; random, operating)	
	EN 50155	EN (IEC) 61373 category 1 class B
	IEC 60945	IEC 60068-2-6
Shock	EN 50155	EN (IEC) 61373 category 1 class B, half-sine pulse, 5g,30ms (longitudinal direction), 3g, 30ms (vertical/transverse direction)
EOS Support	Windows® 10 64-bit, Windows® 8, Windows® 7 64/32-bit, VxWorks7, Ubuntu 16.10	

*Wide Temperature. All W.T. supported products have to be sorted by Axiomtek.

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