tBOX330-870-FL

Fanless Embedded System with 3rd Gen Intel® Core™ Processor and Intel® QM77 for Marine PC

Features

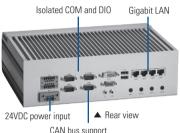
- IEC 60945 certified
- Comply to fire protection of railway vehicles Europe standard PrCEN TS 45545-2
- 3rd gen Intel® Core™ i7 or Intel® Core™ i3 processor
- DDR3-1600 4GB memory onboard
- Fanless design and wide temperature range from -40°C to +70°C
- Isolated RS-232/422/485, CAN bus and DIO ports
- USB 3.0 and SATA3
- 2 removable & lockable 2.5" SATA HDD and 1 CFast™
- 3 internal PCIe Mini Card slot and 1 SIM slot



Specifications

Standard Color	Silver-Black
Construction	Aluminum extrusion and heavy-duty steel, IP40
CPU	Intel® Core™ i7-3517UE (1.7 GHz up to 2.8 GHz) or Intel® Core™ i3-3217UE (1.6 GHz)
System Memory	DDR3-1600 4GB DRAM
Chipset	Intel® QM77
BIOS	AMI UEFI BIOS with OA 3.0 built
System I/O Outlet	Rear Side 4 x GbE 3 x Isolated RS-232/422/485 1 x Isolated DI/D0 (4-in/4-out) 1 x Isolated CAN Bus 2 x USB 2.0 2 x Audio (mic-in/line-out, screw type) 1 x VGA 1 x DVI-D 1 x VDC power input 1 x Remote power switch 4 x Antenna opening Front Side 2 x USB 3.0 2 x Audio (mic-in/line-out, screw type) 1 x Reset switch 2 x 2.5" SATA drive trays 1 x CFast™ slot
Watchdog Timer	255 levels, 0 ~ 255 sec./min.
Storage	2 x 2.5" SATA HDD (removable and with lock protection), with RAID 0/1 1 x CFast TM
Expansion Interface	3 x PCle Mini Card 1 x SIM card slot
System Indicator	1 x green LED for system power on 1 x blue LED for HDD active 1 x green LED for LAN1 link 1 x green/yellow LED for LAN 1 speed 1 x green LED for LAN2 link 1 x green/yellow LED for LAN 2 speed 1 x green LED for LAN3 link 1 x green/yellow LED for LAN 3 speed 1 x green LED for LAN4 link
	1 x green/yellow LED for LAN 4 speed





CAN bus support

Power Consumption	1.8A @ 24V
Operating Temperature	-40°C ~ +70°C (-40°F ~ +158°F) with W.T. SSD
	-25°C ~ +55°C (-13°F ~ +131°F) with W.T. HDD
Humidity	5% ~ 95%, non-condensing
Vibration Endurance	5 Grms with CFast™ (5-500Hz, X, Y, Z directions)
	1 Grms with HDD (5-500Hz, X, Y, Z directions)
Dimensions	288 mm (11.33") (W) x 211 mm (8.3") (D)
	x 85.7 mm (3.37") (H)
Weight (net/gross)	5.5 kg (12.12 lb)/6.5 kg (14.33 lb)
Certificate	CE (Class A), IEC 60945 certificate, EN 45545-2 compliance
EOS Support	WE8S, WES 7, Linux

Ordering Information

Standard			
tB0X330-870-FL-i7-DC	Fanless marine embedded system with Intel® Core™ i7 processor, 4GB DDR3-1600, 4 GbE LANs, 3 isolated COM, CFast™ and isolated CAN bus		
tBOX330-870-FL-i3-DC	Fanless marine embedded system with Intel® Core™ i3 processor, 4GB DDR3-1600, 4 GbE LANs, 3 isolated COM, CFast™ and isolated CAN bus		

Optional		
2.5" SATA HDD/SSD	16GB or above	
CFast™	1GB or above	
3G module		
Wi-Fi module		
Wi-Fi Bluetooth		
GPS module		

^{*}Specifications and certifications are based on options and may vary.

Onboard 3rd generation Intel® Core™ i7 or i3 processor and 4GB DDR3-1600 DRAM



Swappable and Lockable SATA3 HDD/SSD, Audio jack, USB 3.0 and CFast



Four Gigabit LAN ports



24VDC power input



Isolated RS-232/422/485, CAN bus and DIO



3 PCle Mini Card slots and 1 SIM slot

Packing List

- 1 x Quick manual 1 x Driver CD
- 1 x Screw pack
- 4 x Foot pad
- 1 x Wall-mount kit

Power Protection

DC Version

SCP (short circuit protection)

OVP (over voltage protection)

UVP (under voltage protection)

Dimensions

