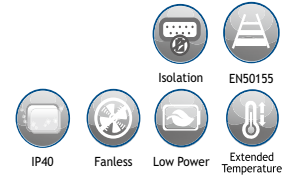
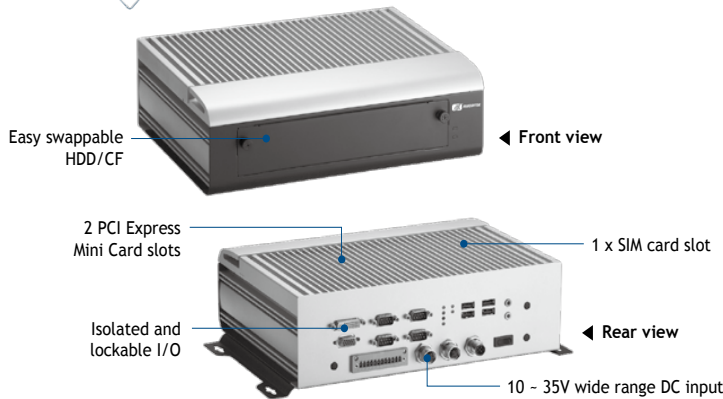


tBOX320-852-FL

Fanless Embedded System with Intel® Core™2 Duo Processor up to 2.26 GHz and Intel® GM45 Chipset for Railway PC



Features

- Supports onboard Intel® Core™2 Duo SP9300 processor up to 2.26 GHz
- Intel® GM45 + ICH9M chipset
- Fanless operation
- Operatin temperature range of -25°C - +55°C
- 4 isolated RS-232/422/485 ports
- High performance onboard DDR3-800/1066 2 GB DRAM
- One 2.5" swappable SATA drive bay, 1 internal SATA drive bay and one CompactFlash™
- 2 internal PCI Express Mini Card slots with one SIM slot
- Lockable I/O interface and M12 LAN connector

Power Protection

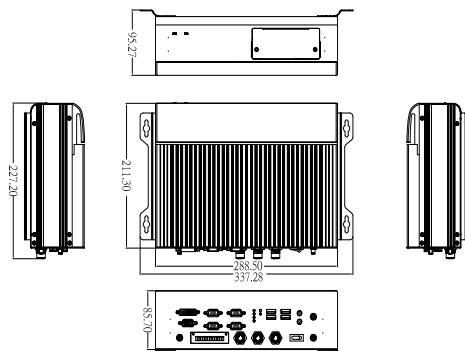
DC Version

OVP (over voltage protection) UVP (under voltage protection)
SCP (short circuit protection)

Ordering Information

Standard	
tBOX320-852-FL 2.26G	Fanless embedded system with Intel® Core™2 Duo SP9300 (2.26 GHz), VGA, DVI-D, 2 10/100/1000Mbps Ethernet, 4 COM, 4 USB, CF & dual HDD support and onboard 2 GB DRAM
tBOX320-852-FL 1.2G	Fanless embedded system with Intel® Celeron® M 723 1.2 GHz, VGA, DVI-D, 2 10/100/1000Mbps Ethernet, 4 COM, 4 USB, CF & dual HDD support and onboard 2 GB DRAM
Optional	
2.5" HDD	40 GB or above
DDR2 SODIMM	Max. up to 2 GB
CompactFlash™	1 GB or above
Wall mount kit	

Dimensions



Specifications

Standard Color	Silver-Black
Construction	Aluminum extrusion and heavy-duty steel, IP40
CPU	Onboard Intel® Core™2 Duo SP9300 processor up to 2.26 GHz
System Memory	Onboard DDR3-800/1066 2 GB DRAM
Chipset	Intel® GM45 + ICH9M
BIOS	AMI
System I/O Outlet	4 x isolated RS-232/422/485 (COM 1 - 4), console re-direction supported 1 x VGA 1 x DVI-D 1 x HD Audio (Mic-in/Line-out) 2 x 10/100/1000Mbps Ethernet (M12 female D-code for 10/100Mbps) 4 x USB 2.0 1 x isolated DIO (6-IN & 2-OUT) 1 x V _{oc} power input connector 1 x isolated DI/DO power input connector 3 x antenna opening
Watchdog Timer	255 levels, 1-255 sec.
Storage	2 x 2.5" SATA HDD drive bay 1 x CompactFlash™
Expansion Interface	2 x PCI Express Mini Card 1 x SIM card
System Indicator	1 x green LED for system power-on 1 x red LED for HDD active 1 x green LED for LAN1 link 1 x green/yellow LED for LAN1 speed 1 x green LED for LAN2 link 1 x green/yellow LED for LAN2 speed
Power Supply	DC 12-32V input with isolation support Default rating: DC24V
Operating Temperature	-25°C - +55°C (77°F - 130°F) (with W.T. HDD)
Storage Temperature	-40°C - +80°C (-40°F - +176°F)
Humidity	10% - 90% , non-condensing
Vibration Endurance	2 Grms (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)	TBD
Certification	CE, EN50155, EN50121
EOS Support	XPE, WinCE, Linux

Overview

Embedded Systems

Embedded Systems for Transportation

Embedded Field Controllers

Embedded MicroBoxes

Industrial Barebone Systems

Industrial Chassis

Industrial Workstations

Backplanes

Power Supplies

Peripherals & Accessories

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