For Immediate Release
Stafford, United Kingdom
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Assured Systems Releases the tBOX320-852-FL Fanless Intel Core 2 Duo Railway Computer with EN50121/EN50155 Certification

PRODUCT HIGHLIGHTS

- Powerful Intel® Core™2 Duo SP9300 processor up to 2.26 GHz with Intel® GM45 + ICH9M chipset
- Fanless operation & low power consumption
- High performance DDR3-800/1066 2 GB DRAM on-board
- Four (4) isolated RS-232/422/485 ports & one (1) isolated digital I/O connector
- Two (2) internal Mini PCI Express Card slots with one (1) SIM slot
- Lockable I/O interface and M12 LAN connector
- Wide operating temperature range of -25°C ~ +55°C
- One (1) 2.5" swappable SATA drive bay, one (1) internal SATA drive bay and one (1) CompactFlash™ slot
- Rich I/O includes four (4) isolated COM, one (1) VGA, one (1) DVI-D, one (1) HD Audio, two (2) Ethernet, four (4) USB 2.0, one (1) VDC power input connector, one (1) isolated DI/DO power input connector and three (3) antenna opening

Assured Systems, a leading UK system integrator, releases Axiomtek's new transportation solution geared towards railway applications to the UK market. A fanless embedded computing system that incorporates a high performance Intel® Core™2 Duo SP9300 processor up to 2.26 GHz and an Intel® GM45 chipset, the **tBOX320-852-FL** is built for rugged working environments and is EN50121/EN50155 certified for railway applications. Mobile applications such as passenger information, video surveillance, alongside data acquisition and control make the **tBOX320-852-FL** very versatile.

Designed for extended temperature operation from -25 to +55°C and housed in a rugged profiled-aluminum case, this railway-centric embedded box computer supports up to 2GB of DDR3 800/1066 memory. The **tBOX320-852-FL** also features a swappable 2.5" SATA 300 hard drive bay, one (1) internal SATA drive bay as well as a slot for Compact Flash media which are all easily accessible from the front of the chassis. The system's I/O set offers (4) isolated COM ports, isolated digital I/O, and isolated power supply, with robust M12 interface connectors for (2) Gigabit Ethernet ports.

Stable. | Solid. | Assured.

The integrated graphics chipset offers 256MB of dedicated graphics memory, DirectX 9 3D as well as HDTV support. The integrated MPEG2 and H.264 decoders reduce processor load while displaying HD video. Having received certification and compliance for railway standard EN50121/EN50155, the **tBOX320-852-FL** rugged embedded box computer helps OEM customers accelerate their time to market and reduce hardware design costs for rail applications.

Enhanced Vibration & Shock Resistance

The **tBOX320-852-FL** adopts an on-board processor and on-board DRAM which drastically reduces the impact of vibration and shock, making it ideal for harsh environments including the rail industry. Having taken into consideration system reliability, the unit features M12 LAN connectors and other lockable or screw I/O connectors to ensure a secure connection whilst on the move.

Isolated Port Design

To prevent ESD and over-voltage, the system is equipped with four (4) isolated RS-232/422/485 ports, one (1) isolated digital I/O connector and isolated power input to offer excellent power protection.

Great Expansion Capability

For greater expansion capability, two (2) internal Mini PCI Express Card slots are added to the system. One (1) SIM slot is also available for 2G/3G/4G, GPS, WiFi and Bluetooth applications.

Industrial Design against Severe Condition

The **tBOX320-852-FL** is designed with IP40-rated dust-proof enclosure and can operate in critical environments with temperatures ranging from -25°C ~ 55°C. The **tBOX320-852-FL** integrates a variety of I/O ports for video/voice/data transmission and can be DIN-rail mounted, wall mounted or stand mounted.

About Assured Systems

Assured Systems is a leading technology company offering high quality and innovative applied computing solutions to the embedded, industrial, and digital-out-of-home markets across the United Kingdom and Ireland.

Our impressive product portfolio includes a full range of Panel PCs, Human Machine Interfaces, Single Board Computers, Fanless Computers, Rugged Laptops & Tablets, Digital Signage solutions, LCD Displays & Touchscreens, Rackmount Servers, and Digital & Analogue Data Acquisition solutions.

For more product information or pricing, please visit www.assured-systems.co.uk, or contact one of our technical sales team on 01785 87 90 50.

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