Intelligent Transportation Solutions

Axiomtek offers a comprehensive range of railway and roadway products from embedded systems, panel PCs to monitors to fulfill the diverse needs in CCTV surveillance, passenger information system (PIS), communication, and driver machine interface (DMI) applications. With stability, reliability and flexibility, Axiomtek’s transportation products have been certified with E-Mark for vehicle applications; EN 50155, EN 50121 and EN 45545 for railway applications; and DNV 2.4 and IEC 60945 for marine applications. We have experienced design engineering and value-added service teams that have been recognized by our customers as some of the most helpful and valuable resources for their seamless and quick deployments.
In-Vehicle Systems for Safer and Smarter Mobility

Mobile Surveillance
- IP Camera
- Built-in GPS
- Built-in Accelerometer
- Network Video Records (NVR) UST500-517-FL
- Monitor P710

Passenger Information System
- IP Camera
- Light Sensor
- Door Sensor
- PIS Display Controller tBOX110
- PIS Display P712

License Plate Recognition
- IP Camera
- NVR+Edge Computer UST100-504-FL
- Monitor P710

Bus Passenger Counting System
- IP Camera
- Transportation Gateway UST210-83K-FL
- Lidar Sensor

Strict Automotive Standard
- ISO 7637-2
- E-Mark
- CE (Class A)
- FCC

Smart Ignition
- Power on/off schedule
- Vehicle battery protection
- Different power modes

Rugged Reliability
- Fanless operation
- Wide operating temperatures from -40°C to +70°C
- 9 to 36 VDC and 12/24 VDC typical in-vehicle power input

Modular Configuration
- Flexible I/O windows
- Easy expansion design
- Value-added modules

tBOX110
- Fanless Vehicle System with Intel Atom® Processor E3940

UST510-52B-FL
- Fanless Vehicle System with 2 Flexible I/O Windows

UST210-83K-FL
- DIN-rail Fanless In-Vehicle Gateway with Intel Atom® x5-E3940 Processor

UST100-504-FL
- Fanless Vehicle System Compact for In-Vehicle Video Analytics

UST500-517-FL
- 8/16-PoE Fanless Embedded System with E-Mark, EN 50155 for Vehicle and Railway

NEW

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Railway Systems for Onboard Monitoring and Computing

Railway Certifications
- EN 50155
- EN 50121-3-2
- EN 45545-2
- CE (Class A)
- FCC

Real-time Seat Occupancy Detection

Security Surveillance System

Mobile Communication System
- Ethernet Switch
- Firewall System tBOX500-510-FL with VAM708

Edge Computing System
- UST500-517-FL

IP Camera

tBOX520 Fanless Transportation Embedded System with 12th Gen Intel® Core™ Processor

tBOX500-510-FL Fanless Transportation Embedded PC with Internal PoE PSU Solution

tBOX300-510-FL Fanless Transportation Embedded PC with Modular I/O Design

tBOX110 Fanless Transportation Embedded System with Intel Atom® Processor E3940

New

Modular Configuration
- Plug-in I/O module slots for various requirements
- Value-added modules

Rugged Reliability
- Fanless operation
- Wide operating temperatures from -40°C to +70°C
- Thermal conductivity
- Shock and vibration resistance

Fanless Transportation
- Embedded PC with Internal PoE PSU Solution
- Modular I/O Design

EN 50155 S3
15.1”/12.1”/10.4” Railway Fanless Panel PC

EN 50155 12.1”/10.4” Railway Touchscreen Monitor

P712/P710 EN 50155 12.1”/10.4” Railway Touchscreen Monitor

New

Train Control System
- Train Server
- Data Logger tBOX110
- Monitor P712

Train Control and Management
- Ethernet Switch
- Light Sensor
- Door Sensor
- Data Logger tBOX110
- Monitor P712
- Driver Machine Interface GOT710S

Security Surveillance System
- IP Camera
- NVR+Data Server tBOX300-510-FL

Mobile Communication System
- Ethernet Switch
- Firewall System tBOX500-510-FL with VAM708

Train Control System
- Train Server
- Data Logger tBOX110
- Monitor P712

New

PoE Switch
- Ethernet Switch
- NVR+Data Server tBOX300-510-FL

IP Camera
Building A Smart City with Safer, More Resilient Communities

Value-Added I/O Modules (VAM) for tBOX300 & tBOX500 Series

Certifications

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Value-Added I/O Modules (VAM)

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- ✔ certified
- ○ compliant
- *EN 45545-2 test report available only