



Power Utility
Transportation
Industrial Automation



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Power Utility



An Ethernet-based network infrastructure is essential for generating, distributing and managing energy effectively for power industries. The use of Ethernet based network increases operating performance and time efficiency, while utilizing cost efficiently. Axiomtek's hardened PCs & networking solutions with IEC 61850 certification, meets those expectations and features convenient installation and maintenance. This solution is fit for communications control in power plant management, electricity distribution and control system.

■ Green Energy

for use in wind/solar power plant

Product Features:

- Din-rail Industrial Computer with Intel® Atom™ Processor
- Wide Operating Temperature Range (-40°C ~ +70°C)
- Isolation Protection

rBOX100 Robust Din-rail Fanless Embedded System

- Intel® Atom™ Z510PT/ Z520PT up to 1.33 GHz
- 1 DIO (8 in/out)
- 12 ~ 48V DC-in



UL508



UL1604



Fanless



Low Power



Extended Temperature



rBOX101 Robust Din-rail Fanless Embedded System

- Intel® Atom™ Z510PT/ Z520PT up to 1.33 GHz
- 6 isolated COM
- 12 ~ 48V DC-in



UL508



UL1604



Fanless



Low Power



Extended Temperature



Isolation



■ Power Management System

for use in electricity distribution/control system

Product Features:

- IEC61850 Certification
- Isolation Protection

iCON-501 Hardened Serial Device Server

- Isolated COM
- DNP3 supported



Extended Temperature



IEC61850
IEEE1515



“Internet of Things” is a vision where everyday objects are networked through the use of the Internet. Axiomtek offers an array of solutions to fulfill this vision, ideally suited for power utility, transportation, industrial automation and many more applications, enabling efficient communication and control.

Transportation



The concern for people's safety and system stability are the utmost importance in the transportation field. Axiomtek's industry-leading solution is specifically designed to overcome the challenges seen in intersection traffic control, in-railway/ in-vehicle management system including digital signage, surveillance subsystems, ticket-reading gates and ticket kiosks. Our certified vehicle embedded PCs and x86-based embedded systems meets and exceeds performance expectations for critical environments.

▪ Intelligent Traffic Control

for use in traffic control/surveillance

Product Features:

- . Din-rail Industrial Computer with Intel® Atom™ Processor
- . Wide Operating Temperature Range (-40°C ~ +70°C)
- . Power over Ethernet (PoE)

rBOX104 Robust Din-rail Fanless Embedded System

- Intel® Atom™ Z510PT/ Z520PT up to 1.33 GHz
- 4-port PoE (IEEE802.3af)
- 48V DC-in



▪ In-railway Solution

for use in train control/surveillance/digital signage

Product Features:

- . EN50155 Certification
- . Wide Operating Temperature Range (-40°C ~ +70°C)
- . Wire & Wireless Communication
- . Isolation Protection & M12 Lockable Ethernet Connector

tBOX320 Fanless Embedded System for Railway PC

- Intel® Core™2 Duo SP9300 2.26 GHz
- Onboard CPU/memory
- Isolated COM



▪ In-vehicle Solution

for use in fleet management/mobile surveillance

Product Features:

- . e13 and ISO 7637 Certification
- . Wide Operating Temperature Range (-40°C ~ +70°C)
- . Wire & Wireless Communication
- . Isolation Protection

eBOX310 Fanless Embedded System for Vehicle PC

- Intel® Core™2 Duo up to 2.33 GHz
- Built-in intelligent vehicle power
- ISO 7637 pulse1/2a/3a/3b/4/5a standard



tBOX311 Fanless Embedded System for Vehicle PC

- Intel® Atom™ Z510PT/ Z520PT up to 1.33 GHz
- Isolated COM & CAN bus
- Swappable storage bay



Industrial Automation



Whether in machine automation; automatic optical inspection; or other automation fields; high accuracy and performance is necessary. Axiomtek's industrial barebone systems and series of complete Atom™-based solutions are best suited to meet these expectations. In addition, Axiomtek offers solutions to meet other various embedded applications including factory & building automation, HMI and more.

▪ Industrial Control

for use in machine vision & control

Product Features:

- . Expansion Ability (2 ~ 6 expansion slots)
- . CAN bus
- . Intel® Core™2 Duo or Intel® Atom™ D525 Platform

IPC912 2-slot Fanless System

- Intel® Core™2 Duo/ Celeron® M up to 2.53 GHz
- 2 PCIe & PCI expansion slots
- Compact & front I/O design



IPC922 2-slot Fanless System

- Intel® Atom™ D525 up to 1.8 GHz
- Fanless & ventilation free design
- CAN bus



▪ Complete Atom™ Solution

for use in various embedded applications

Product Features:

- . Super Compact Size
- . Fanless & Ventilation-free
- . Power Efficiency

eBOX510 Fanless Embedded System

- Intel® Atom™ Z510 (1.1 GHz) or Z530 (1.6 GHz)
- Ultra slim and low power design
- CompactFlash™



eBOX620 Fanless Embedded System

- Intel® Atom™ D510 1.6 GHz
- Optional DVI-I
- Compact design



Moving Forward "Internet of Things"



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