Transportation Automation > Industrial Computing

Core Competence

Products

V2101-T

• Dual independent displays (VGA + DVI-I)
• EN50155 certification
• Anti-vibration M12 connections

DA-692

• Dual independent displays (VGA + DVI-I)
• EN50155 certification
• Anti-vibration M12 connections

V2406

• Dual independent displays (VGA + DVI-I)
• EN50155 certification
• Anti-vibration M12 connections

V2426

• Dual independent displays (VGA + DVI-I)
• EN50155 certification
• Anti-vibration M12 connections

MC-4610

• Dual independent displays (VGA + DVI-I)
• EN50155 certification
• Anti-vibration M12 connections

V2401

• Dual independent displays (VGA + DVI-I)
• EN50155 certification
• Anti-vibration M12 connections

Complete Industrial Embedded Computing Solutions for Railway Applications

- Dual independent displays (VGA + DVI-I)
- EN50155 certification
- Anti-vibration M12 connections

Spotlight

Innovative Anti-vibration and Anti-shock Technology for Hard Disks (Patent Pending)

After overcoming the approach to hard disk anti-vibration protection, Moxa takes up a component-level Bluetooth radio circuit that solves the problem of electromagnetic interference (EMI) that affects the hard disk's data during operation. To solve this problem, we developed a new anti-shock technology that provides strong protection for the hard disk, even in harsh environments. By using our patent technology, the shielded filters and metal shielding prevent frequency and effectively reduces disturbances. Moxa's anti-shock components can filter out all noise that can affect an industrial computer's operation, such as electromagnetic interference, vibration, shock, and impacts. Moxa's innovation meets the requirements for a variety of system environments, including industrial, marine, and transportation applications.

V2101-T

• Dual independent displays (VGA + DVI-I)
• Built-in dual independent displays (VGA + DVI-I)
• Built-in M12 connectors
• Built-in USB 3.0 support
• Built-in Gigabit Ethernet ports

V2406

• Built-in high-grade Intel Atom processor
• Built-in independent displays (VGA + DVI-I)
• Built-in USB 3.0 support
• Built-in Gigabit Ethernet ports

V2426

• Built-in M12 connectors
• Built-in Dual-Port 10/100/1000 network ports
• Built-in dual independent displays (VGA + DVI-I)
• Built-in high-grade Intel Atom processor

MC-4610

• Built-in Dual-Port 10/100/1000 network ports
• Built-in dual independent displays (VGA + DVI-I)

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Transportation Automation  
Embedded Computing

Embedded Computing

Ticketing System

The embedded computer for the barrier system also acts as the central controller and management component. When a barrier is opened, the embedded computer ensures there is a sensor and magnetic, and an individual who is authorized to go through the barrier. The computer also serves as a central control and management component in the ticketing system. The user interface is a touchscreen panel, which is touch-based and housed in the vehicle’s central console. The computer drives multiple display panels in the vehicle, and interacts with all the hardware devices and software components. It is reliable and robust, and ensures the system is consistent.

Why Moxa?

• Dual LVDS pin for simultaneous connection in PLC, and I/O support
• Small signal design is ideal for mobile applications
• Small footprint and low profile
• High durability and shock resistance
• Windows CE embedded operating system

Turnstile System

The embedded computer for the barrier system also acts as the central controller and management component. When a barrier is opened, the embedded computer ensures there is a sensor and magnetic, and an individual who is authorized to go through the barrier. The computer also serves as a central control and management component in the ticketing system. The user interface is a touchscreen panel, which is touch-based and housed in the vehicle’s central console. The computer drives multiple display panels in the vehicle, and interacts with all the hardware devices and software components. It is reliable and robust, and ensures the system is consistent.

Why Moxa?

• Dual LVDS pin for simultaneous connection in PLC, and I/O support
• Small signal design is ideal for mobile applications
• Small footprint and low profile
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• Windows CE embedded operating system

Railway System Integration

A railway system is controlled by several levels that are connected by sending data to and from various components. These systems include the local computer, which is a central control and management system, and the local computer is connected to the central computer through a network. The central computer receives data from the local computers and processes it to ensure the system operates smoothly.

Why Moxa?

• Low power consumption, ideal for mobile applications
• Small size and low weight
• High reliability and shock resistance
• Windows CE embedded operating system

Rolling Stock

Rolling stock is a critical component of any railway system. It is connected to the central computer through a network, which allows the central computer to receive data from the local computers and process it to ensure the system operates smoothly.

Why Moxa?

• Low power consumption, ideal for mobile applications
• Small size and low weight
• High reliability and shock resistance
• Windows CE embedded operating system

Network Video Recorder: A reliable video recording system is critical to the operation of any railway system. It is connected to the central computer through a network, which allows the central computer to receive data from the local computers and process it to ensure the system operates smoothly.

Why Moxa?

• Low power consumption, ideal for mobile applications
• Small size and low weight
• High reliability and shock resistance
• Windows CE embedded operating system