Enhancing Monitoring in Marine Propulsion Control Systems

Why Moxa

- Advanced multi-touch screen with glove-friendly design
- Rugged product design to withstand harsh operating environment
- Compliance with maritime standards ensures product durability and quality

Featured Products

MPC-3120W Series
Multi-interface fanless Panel PCs

- Advanced touchscreen with G+G screen structure
- IP66-rated front panel
- DNV, CID2, ATEX Zone 2, and IECEx compliant
- Supports HMI software for multiple PLCs and SCADA systems

Propulsion control systems are critical for safe and efficient maritime operations. These systems manage the unmanned propulsion equipment throughout the ship, covering the bridge, control room, and engine room. To ensure reliable performance in challenging marine environments, hardware must be robust, seamlessly integrated, and capable of continuous operation.

System Requirements

- Maritime-certified Panel PCs
- Reliability and durability in harsh maritime environments
- User-friendly interfaces that accommodate glove use

Why Solutions

Marine propulsion control systems often struggle to maintain consistent, efficient performance in harsh environments. Vessels must maintain reliable communication across critical areas such as the bridge, control room, and engine room. These systems need to operate reliably in high humidity, saltwater, vibration, and fluctuating temperatures, maintaining seamless control and monitoring.

Moxa's MPC-3120W Series Panel PC is built to handle tough conditions, ensuring smooth operation for propulsion control systems. It is durable and meets DNV certification standards, proving its reliability and safety for use in challenging maritime environments.

Besides its robust construction, the MPC-3120W is designed with operators in mind, offering a 12.1-inch widescreen display with multi-touch functionality for seamless monitoring and control of propulsion systems. The IP66-rated front panel ensures protection against water and dust, providing reliable performance in harsh environments. Its modular design further enhances versatility, simplifying installation and maintenance to meet diverse operational needs.

Propulsion System

MPC-3120W
Panel PC

Wing Consoles

EDS-408A
Ethernet Switch

Controller

To learn more, visit our **Rugged Panel PCs portal site**

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