HITACHI
Inspire the Next

All-inclusive power automation solution.

MicroSCADA X
SYS600C

Hitachi Energy

Designed for critical applications, where reliability is essential.

Constant control – anywhere, anytime.

MicroSCADA X SYS600C is the ideal automation solution for all harsh environments in both transmission and distribution substations, industries, and other power applications.

As a robust industry grade computer, it has no internal moving or otherwise vulnerable parts and therefore MicroSCADA X SYS600C has a long and guaranteed lifetime.

Description	Hardware
Memory	16 GB
Storage device	2x256GB SSD (RAID1)
Capacity	Up to 400 IEDs over IEC 61850
Serial port	8 RS232/485 Serial ports
LAN port	6 electrical LAN ports (RJ45) 4 Optical LAN ports (LC), Optional
USB	7 USB ports
Power supply	110/220 V optionally redundant power supply (AC&DC)
Dimensions	19" rack mountable, 3U high
Temperature	Operating temperature: -30°C - +65°C (-22°F - 149°F)

In a robust and compact package it offers proven MicroSCADA X functionality for real-time monitoring and control of primary and secondary equipment.

MicroSCADA X SYS600C software has high scalability and modern architecture enabling easy integration to other systems. Copy and paste function makes it easy to expand the application. This way, the MicroSCADA X SYS600C ensures efficient engineering and system integration. You can enjoy its ease of use as a communication gateway, as a control system HMI or communication server in both industrial control and electrical utility applications.

Pre-configured from the factory
Delivered from the factory with tested and pre-installed software and a product specific hardening, MicroSCADA X SYS600C requires only minimal engineering before installation and commissioning.

IEC 61850-compliant
Compliant with the IEC 61850 standard for substation automation including Edition 2. This means that MicroSCADA X SYS600C can operate together with any IEC 61850-compliant IED, tool and system.

Software and industrial design created to simplify system integration and day to day use. The MicroSCADA X SYS600C ensures optimized control and reliable operation of the switchyard through the seamless integration and connectivity between different devices and systems. It features a wide selection of communication protocols and interfaces and is thus open for any SCADA or Distributed control system.

Maximum robustness

Guaranteeing long meantime between failures
- Utility grade protection. Environmental and electromagnetic characteristics compliant to IEC 61850-3
- Closed chassis design offering robust operation in all conditions
- Advanced security management incorporating intrusion and virus protection, application white-listing, session authentication and authorization
- Reliability proven by extensive in-house and external testing

Extensive connectivity

Designed with legacy and future connectivity in mind
- Effortless migration to a new system, expansion of an old system with new technology
- Simple system set-up as no additional devices are needed to ensure the connectivity
- Wide selection of interfaces HDMI, VGA, USB, PCIe expansion, ethernet and serial ports

Fault tolerant

High availability through critical component re-assurance. Maximizing fault tolerances with redundant functions:
- Communication links to ensure connectivity
- Power supplies to ensure availability
- Disks to ensure availability
- Redundant computers to protect from hardware and software failures

Capacity

Simple integration with high capacity
- Connects hundreds of protection and control IED's to substation automation or industrial control systems
- Reliable long term storage for events and historical data over decades

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