



12" QuickPanel+

Operator Interface for the Industrial Internet

To succeed in an outcome-driven world, businesses must operate faster and leaner and be increasingly connected. At GE Intelligent Platforms, we understand today's connected business environment, and are committed to simplifying it. That's why we've designed an automation architecture that helps you design better machines and plants, operate them smarter, and redefine the interaction with your equipment.

A pivotal point within this architecture is the operator interface (OI) — where people and machines connect. GE has developed the QuickPanel+ — an OI for the Industrial Internet. This multi-functional device delivers the data and insight you need to face the challenges and demands of the connected world.

QuickPanel+ integrates process control, view, and an option to run embedded data historian, so your OI is no longer just a portal, but a strategic bridge for understanding and running your machine. The latest addition to GE Intelligent Platform's reinvigorated OI products, the QuickPanel+ takes machine interfaces into the Industrial Internet age for new levels of productivity, insight, and user experience.

High Performance

With faster processing speeds and more memory, QuickPanel+ delivers high-performance control, visualization, and data historian capabilities to maximize productivity and cost efficiency.

QuickPanel+ incorporates the latest display technology to enhance the user experience. The capacitive, multi-touch screen is built to last in an industrial environment, yet is as sensitive as the latest smartphone or tablet—even if the user is wearing gloves. The wide screen provides vivid, clear images and more complete process visualization.

Multi-functional Capability

QuickPanel+ provides core capabilities that help users operate in today's connected world. It is 3 devices in 1: an OI/HMI, a PLC/process controller, and a data historian. This combination puts more data at your fingertips, providing instant insight and control while reducing inventory and TCO. And, a single programming environment means implementation is fast and easy.

Full-Function Browser & Multimedia Access

QuickPanel+ offers a fully-functional HTML5 browser and multimedia support with the Windows EC7 operating system. This results

in a new level of versatility for an OI. Users can quickly and easily access the Internet or their intranet to view training videos, compile reports or access other critical information. With this connectivity, insights can be shared across all aspects of the workflow, improving the efficiency of both workers and machines.

Interoperability & Flexibility

The interoperability of the QuickPanel+ adds to its ease of use. Using serial and Ethernet connectivity, it can be used with controllers and I/O from multiple vendors for swift and smooth implementation. The QuickPanel+ offers the flexibility needed to match specific customer or application requirements.

QuickPanel+ supports 5 IEC programming languages: Relay Ladder, Sequential Function Chart, Structured Text, Instruction List, and Function Block Diagram. The operator can select multi-language support when the system is online. Configuration is easy—a common database reduces development time by eliminating the need to re-enter tag names, and an extensive library of pre-configured animation objects is provided.



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Specifications

Processor Node

- Freescale i.MX535 1GHz based on ARM Cortex A8
- 2D/3D Graphics Processing Unit
- 32KB Level 1 Instruction/Data Caches
- 256KB Level 2 Unified Instruction and Data Cache
- NEON SIMD Media Accelerator
- Vector Floating Point Coprocessor

Memory

- 1GB DDR3 SDRAM
- 512MB SLC NAND Flash
- 512KB Battery Backed SRAM

Display

- 12" TFT LCD
- 800 x 600 SVGA Resolution
- Projected Capacitive Display
- Multi-touch (two-point)

Ethernet Port

- 1x 10/100BaseT (RJ-45)

Serial I/O

- 1x RS-232, 1x RS-485 COM Ports (10-Pin Connector)

USB

- 2x USB 2.0 (Type-A)
- 1x USB 2.0 (Mini Type-B)

Storage

- 1x SD/SDHC Card Slot

Audio

- x1 Line Out (stereo) (3.5mm Jack)

Status Indicators

- Tri-color LED (Amber/Green/Red)
- On-board Buzzer

Operating System

- Microsoft Windows Embedded Compact 7

Power Requirements

- +12/24VDC $\pm 20\%$ (3-Pin Connector)
- Max power Consumption: 30W

Physical Specification

- External Dimensions: 314(W) x 248(H) x 65(D) mm
- Weight: 3Kg

Mounting Option

- Panel Cutout Dimensions: 302(W) x 228(H) mm
- Panel Mount Brackets Included
- Mounting Gasket
- VESA 100

Environmental

- Cooling Methodology: Natural Convection
- Operating Temp: 0°C to +55°C
- Storage Temp: -10°C to +60°C
- Humidity: 85% RH (non-condensing) @ 30°C

Compliance

- UL 60950
- CE (EN 60950-1, EN 61000-6-4, 61000-6-2)
- FCC Part15 Class A
- IP65F (JEM 1030)
- CUL Mark - US/CAN Zone 2*
- ATEX Zone 2*
- UL Type 4X*
- NEMA 4X*
- RoHS



Ordering Information

IC755CSS12CDA	QuickPanel+ View & Control, 12" Color TFT with Multi-touch Projected Capacitive Screen, GE Monogram Bezel, 24 VDC Powered
IC755ACC12GAS	QuickPanel+ 12" Replacement Gasket
IC755ACC12MNT	QuickPanel+ 12" Accessory Kit - Replacement Mounting Clips, Power & Serial Port Connectors
IC755ACC12PRO	QuickPanel+ 12" Replacement Screen Protectors, Package of 3
IC755ACCBATTNL	Replacement Battery (No Leads), for use with 12"

About GE Intelligent Platforms

GE Intelligent Platforms is a division of GE that offers software, control systems, services, and expertise in automation and embedded computing. We offer a unique foundation of agile and reliable technology providing customers a sustainable competitive advantage in the industries they serve, including energy, water, consumer packaged goods, oil and gas, government and defense, and telecommunications. GE Intelligent Platforms is headquartered in Charlottesville, VA. For more information, visit www.ge-ip.com.

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