

IC660CBB902

Installation and Verification Reference

The GE Fanuc IC660CBB902 is a Phase B Genius I/O bus controller with diagnostics for a Series Six programmable controller. It links the Series Six PLC to a Genius serial bus and coordinates cyclic I/O, device diagnostics and supported datagram communications.

Manufacturer	GE Fanuc Automation
Complete model	IC660CBB902
Product description	Series Six Genius I/O Phase B Bus Controller with Diagnostics
Prepared by	Apter Power
Document ID	AP-IC660CBB902-IV-R1
Revision / issue	R1 / 2026-08-26

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Three interface paths, one controlled configuration.

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IC660CBB902

1. System role

Installed in a compatible Series Six rack, the controller scans Genius I/O devices, transfers input data to the PLC and sends output data from the PLC to the bus. Phase B operation also supports programmed communications and documented redundancy arrangements. It is a communications controller; the attached Genius blocks determine the physical discrete, analog or RTD signal characteristics.

What the product handles

Genius serial-bus I/O data, device diagnostics and supported programmed communications. Field signal voltage, current and sensor type are defined by each connected Genius I/O block.

Required companion components

Series Six CPU and compatible rack, Genius I/O serial bus, Genius I/O blocks, approved bus cable and terminating resistors, and a compatible Hand-held Monitor for setup and diagnostics.

Where it is used

Legacy Series Six automation systems with distributed Genius I/O, including process skids, utility systems, material handling and installations requiring CPU communications or supported bus redundancy.

Pre-installation record

Parameter	Verified value
Identity	Record complete model IC660CBB902 and every revision/suffix from the nameplate
Evidence	Retain the named manufacturer publication and site-approved drawings
Configuration	Back up the approved controller, network or module configuration
Connections	Label cables, terminals, module positions and field wiring
Commissioning	Define a point-by-point or communication verification plan

2. Installation and commissioning controls

Recommended verification sequence

Parameter	Verified value
1 - Identify	Match the complete nameplate and physical construction
2 - Isolate	Follow site lockout, electrical-safety and ESD procedures
3 - Compare	Confirm companion hardware, cables, termination and revision compatibility
4 - Install	Use manufacturer mounting, grounding and environmental requirements
5 - Configure	Restore only the approved configuration and documented settings
6 - Test	Verify communications, diagnostics and every affected process or safety function
7 - Release	Record results and obtain the required site authorization

Model-specific precautions

- Match the complete IC660CBB902 revision and Series Six CPU/software compatibility before installation.
- Keep bus data rate, cable type, total length, termination and device addresses consistent with the approved Genius network design.
- Do not apply field ratings from the bus controller to an I/O point; verify the individual Genius block manual.

Manufacturer publications

Manufacturer publication	Source access
GE Fanuc Series Six Bus Controller User's Manual, GFK-0171B	Publication cited by title and document number; no third-party URL embedded.
GEK-90486F Genius I/O System and Communications User's Manual	Publication cited by title and document number; no third-party URL embedded.

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