



GE Fanuc Automation

Operator Control Station™ (OCS)

OVERVIEW

With the Operator Control Station (OCS) from GE Fanuc, you gain a compact footprint without sacrificing flexibility, performance, or price. Tightly integrating a controller, operator interface, modular I/O system, and built-in networking, the OCS is ideal for a range of applications requiring stand alone or distributed control. Use the OCS in small industrial machines, unit handling conveying systems, and packaging and material handling equipment. It's also the smart choice for achieving improved process monitoring with existing machinery.



PRODUCT FEATURES

Control You'd Expect from a Mid-sized PLC. The ladder-based control engine of the OCS features an Intel® processor, as well as 64k logic and screen memory and 0.7 msec/K scan rate. Cscape™ software combines graphical ladder diagram programming (IEC-1131) with operator interface messaging to provide a unique productivity advantage.

Your Choice of Operator Interface. The OCS gives you a lot to look at in a small package. Select a bright 2x20 LCD with a 16-button keypad or go with our 4x20 LCD with a full 32-button keypad for added flexibility. The OCS250 also offers graphics capabilities with a larger 16x40 character display. The new OCS300 provides a range of color TFT and STN sizes to choose from.

SmartStack™ I/O for Unmatched Flexibility. The modular SmartStack I/O expansion system gives you the flexibility to mix digital, analog, and specialty I/O. Modules are mounted on the rear of the basic OCS controller models, or in the case of the OCS300, mounted separately on a backpanel. For the OCS300, SmartStack I/O modules are stacked onto a Fox™ base unit that is connected to the controller via a fiber-optic cable.

A Variety of Networking Options. The OCS has two communications ports. A serial port that supports Modbus RTU master, slave, or serial CsCAN™ networks. And a high-speed CAN™ network that supports either DeviceNet™ or CsCAN for distributed control.

Slash Installation and Set-up Time. Because the OCS hardware and software have been carefully integrated, you can move swiftly through installation, set-up, and programming in record time.

ORDERING INFORMATION



	Controller ⁽²⁾	Mini OCS/RCS ⁽³⁾⁽⁴⁾	OCS100/110	OCS200/210 RCS 200/210 ⁽⁴⁾	OCS250	OCS300
Display Characteristics ⁽¹⁾	Characters Per Page	2 x 20 Characters	2 x 20 Characters	4 x 20 Characters	16 x 40 Characters	50 data fields
	Number of Pages	200	200	200	200	300
	Graphic Pixels	Text Only	Text Only	Text Only	240 x 128	320 x 240 (STN or TFT)
Face Plate Options	LEDs	No	No	No	10	No
	Function Keys	10 (None on RCS)	10	12 (None on RCS)	18	5
	System Keys	4 (None on RCS)	4	4 (None on RCS)	4	1
	Numeric Keys	Shared with F-keys (None on RCS)	Shared with F-keys	Yes (None on RCS)	Yes	No
Performance	Logic Scan Time	2msec / K of logic	0.7msec / K of logic	0.7msec / K of logic	0.7msec / K of logic	0.7msec / K of logic
Memory	Logic Memory	64K	64K/128K	64K	128K	32K
	Graphic Memory	No	No	No	2 Meg	2 Meg
	Text Screen Memory	64K	64K/128K	64K	N/A	N/A
Hardware Specifications	Operating Voltage	10 to 30 VDC	10 to 30 VDC	10 to 30 VDC	10 to 30 VDC	24 VDC (+/-10%)
	Smart Stack I/O Compatible	No. I/O Built-in	Yes	Yes	Yes	Fox unit required
	Real Time Clock	Yes	Yes	Yes	Yes	Yes
Communications	Serial Ports (RS-232)	One	One	One	One	One
	Serial Ports (RS-232/485)	No	No	No	Yes	Two
	Modbus RTU Master/Slave	Yes	Yes	Yes	Yes	Yes
	CAN (CsCAN or DeviceNet Slave)	Optional	Yes	Yes	Yes	Yes
	Ethernet	No	Yes (SmartStack)	Yes (SmartStack)	Yes (SmartStack)	Yes (on-board option)
Part Number		IC300OCS0xx ⁽³⁾ IC300RCS0xx ⁽⁴⁾	IC300OCS100 IC300OCS110	IC300OCS200 IC300OCS210 IC300RCS200 ⁽⁴⁾ IC300RCS210	IC300OCS250	IC300OCS3xx

Notes:

- (1) OCS with the display option supports Alarms and Status reporting. Additionally, the OCS250 supports editable graphics and trending.
- (2) Each Controller supports Relay Ladder Logic, PID Tuning, Serial Read/Write, Motion Commands, and Floating Point Math.
- (3) Mini OCS and Mini RCS sold with mix of built-in local I/O and DeviceNet/CsCAN options
- (4) RCS units are equal to the corresponding OCS model, but do not include displays.

Available SmartStack Module Options:

- Digital I/O and Combo's
- Analog Input, Output, and Mixed Analog
- Speciality Motion (Stepper, Index, High Speed Counter)

Miscellaneous Interfaces:

- Series 90™ -30 Interface and CsCAN PC Interfaces

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ADDITIONAL RESOURCES

www.gefanuc.com



GE Fanuc Automation

GE Fanuc Automation Information Centers

USA and Canada 1-800-648-2001

Europe and Middle East (352) 727979-1

Asia Pacific 65-566-4918

Latin America (610) 437-7932

Mexico 1-800-989-1244