GE Service Manual

IC755CKS12CDMEP

1. Description

The IC755CKS12CDMEP terminal is a GE Fanuc Quickpanel+ series operator terminal. The IC755CKS12CDMEP terminal comes with a 12-inch touchscreen display.

2. Specifications

Specification	Value
Manufacturer	**GE Fanuc Emerson**
Product	**Type Quickpanel+ with RSTi-EP Modbus TCP**
Product	**Line Quickpanel**
Part	**Number IC755CKS12CDMEP**
Weight	**20.00 lbs (9.07 kg)**
Display	**Size 12 inches**
Microprocessor	**ARM Cortex A8**
SDRAM	**1 Gigabyte**
NVRAM	**512 Megabytes**
SRAM	**512 kilobytes**
Serial	**Ports 2**
USB	**Ports 3**
Input	**Voltage 12/24 Volts DC**
Peak	**Power Consumption 30 Watts**
Description	
The	**GE Fanuc IC7P55CKS12CDMEP terminal is a Quickpanel+ industrial operator terminal with a 12-inch display and an RSTi-EP Modbus TCP. Quickpanel+ terminals are all-in-one operator interfaces that consist of a human-machine interface, a PLC/process controller, and a machine gateway. Remote programming can be used to access multiple user accounts through a single terminal. The Windows EC7 operating system offers multimedia support and an HTML5 browser which enables easy access to the Internet and to intranet. Serial and Ethernet connectivity can be used to interface with mutli-vendor controllers and I/Os. The supported programm**

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Technical specifications for IC755CKS12CDMEP

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NVRAM 512 Megabytes

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Serial Ports 2

USB Ports 3

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The GE Fanuc IC7P55CKS12CDMEP terminal is a Quickpanel+ industrial operator terminal with a 12-inch display and an RSTi-EP Modbus TCP. Quickpanel+ terminals are all-in-one operator interfaces that consist of a human-machine interface, a PLC/process controller, and a machine gateway. Remote programming can be used to access multiple user accounts through a single terminal. The Windows EC7 operating system offers multimedia support and an HTML5 browser which enables easy access to the Internet and to intranet. Serial and Ethernet connectivity can be used to interface with mutli-vendor controllers and I/Os. The supported programming languages include the function block diagram, structured text, relay ladder, sequential function chart, and instruction list languages. The IC755CKS12CDMEP terminal is based on the ARM Cortex A8 Freescale i.MX535 CPU that is clocked at 1 Gigahertz with an integrated GPU and coprocessor for floating point operations.

The IC755CKS12CDMEP terminal comes with 1 GB of DDR3 SDRAM, 512 MB of NVRAM, and 512 KB of battery-backed SRAM. The touch enabled display on the IC755CKS12CDMEP terminal has a 12-inch display area and it is the primary means of operator input. The resolution supported by the display is 800 x 600 (SVGA). Both the RS-232 and RS-485 serial interfaces have a 5-pin connector. The terminal has 3 USB ports: one port is a USB 2.0 (mini type-B) port and 2 are USB 2.0 (type-A) ports. The external memory can be increased through the use of SD cards which can be inserted into the SD card slot. The IC755CKS12CDMEP terminal works with both 12 Volts and 24 Volts DC power supplies. The peak power consumption of the terminal can go up to 30 Watts.