GE Service Manual

IC755CKS10CDMEP

1. Description

The IC755CKS10CDMEP terminal is a GE Fanuc Quickpanel terminal with an RSTi-EP Modbus TCP. The size of the display on the IC755CKS10CDMEP terminal is 10 inches.

2. Specifications

Specification	Value
Manufacturer	**GE Fanuc Emerson**
Product	**Type Quickpanel terminal with RSTi-EP Modbus TCP**
Product	**Line Quickpanel**
Part	**Number IC755CKS10CDMEP**
Weight	**15.00 lbs (6.80 kg)**
Display	**Size 10 inches**
Microprocessor	**ARM Cortex A8**
RAM	**1 Gigabyte**
Peak	**Power Consumption 30 Watts**
Input	**Voltage 12 / 24 Volts DC**
Ethernet	**Ports 2**
Serial	**Ports 2**

3. Product Information

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Technical specifications for IC755CKS10CDMEP

Manufacturer GE Fanuc Emerson

Product Type Quickpanel terminal with RSTi-EP Modbus TCP

Product Line Quickpanel

Part Number IC755CKS10CDMEP

Weight 15.00 lbs (6.80 kg)

Display Size 10 inches

Microprocessor ARM Cortex A8

RAM 1 Gigabyte

Peak Power Consumption 30 Watts

Input Voltage 12 / 24 Volts DC

Ethernet Ports 2

Serial Ports 2

Description

The GE Fanuc IC755CKS10CDMEP terminal is a Quickpanel+ 10-inch terminal with the RSTi-EP Modbus TCP. The IC755CKS10CDMEP terminal is based on the Freescale i.MX535 1 Gigahertz microprocessor which is based on the ARM Cortex A8. The processor supports 2D and 3D graphics processing, 32 KB of Level 1 instruction/data cache, 256 KB of Level 2 unified instruction/data cache, a NEON SIMD media accelerator ,and a vector floating point coprocessor. The IC755CKS10CDMEP terminal supports 1 GB of DDR3 SDRAM, 512 MB of SLC Flash memory, and 512 KB of SRAM (battery-backed). The IC755CKS10CDMEP terminal has a 10-inch display which supports an 800 x 600 resolution. The capacitive touchscreen display can be used for operator input and it supports 2-point multi-touch control. The maximum power consumption of the unit is 30 Watts.

The IC755CKS10CDMEP terminal can be operated from either a 12 Volts DC or a 24 Volts DC power source. The integrated communications options include two 10/100 BaseT Ethernet ports, one RS-232 serial port, one RS-485 serial port, and 3 USB ports. The operating system is the Microsoft Windows Embedded Compact 7operating system. The dimensions of the terminal are 278 x 222 x 65 millimeters and the approximate weight of the unit is 2.4 kilograms. A cutout measuring 266 x 210 millimeters is required for the installation of the IC755CKS10CDMEP terminal. Mounting gaskets and panel mounting brackets are included with the terminal. The IC755CKS10CDMEP terminal uses natural convection cooling. GE Fanuc recommends that the ambient temperature around the terminal should be maintained within the range of 0 to 55 degrees Celsius. The IC755CKS10CDMEP terminal complies with the ATEX, CE, FCC part 15, UL Type 4X, and IP65F standards.