GE Service Manual

IC755CSS12CDBCA

1. Description

The IC755CSS12CDBCA is a QuickPanel+ Operator terminal with GE BEzel. It is part of the Visualization product catalog that is manufactured by Emerson Automation, formerly by GE Intelligent Platforms (GE IP). It functions as a Human Machine Interface (HMI), featuring an embedded display measuring 12.1-inch Standard TFT LCD screen with resolution of 800 x 600 pixels. (SVGA). It comes with a projected capacitive touchscreen and Two (2) point multi-touch operator interface; It has an Intel Freescale

2. Specifications

Specification	Value
Manufacturer	**GE Fanuc Emerson**
Product	**Type Operator Terminals**
Product	**Line Quickpanel**
Part	**Number IC755CSS12CDBCA**
Weight	**5.00 lbs (2.27 kg)**
Description	**Operator Interface Terminal**
Voltage	**24 Volts DC**
Screen	**Size 12 inches**
Processor	**Intel Freescale i.MX535 1 GHz ARM Cortex A8 processor**
Screen	**Type TFT**
Clock	**Speed 1GHz**
Memory	**1 GB DDR3**
Display	**size 12.1 inches**
Display	**type Colored TFT Display**
USB	**ports USB Host: Two (2) USB 2.0 (Type-A) USB Device: USB 2.0 (Mini Type-B)**
Resolution	**800 x 600 pixels**
Serial	**ports 2**
Input	**Type Touch**
Terminal	**memory 1 GB DDR3 SDRAM; 512 MB SLC NAND ROM; 512 KB SRAM**
Communication	**ports Two (2) Ethernet; One (1) RS232 UART One (1) RS232/ RS485**
Two	**(2) Ethernet; One (1) RS232 UART One (1) RS323 / RS485 Removable storage slot:**
1x	**SD/SDHC card slot Operating System**
Windows	**Compact Embedded 7 Bezel Type**
With	**manufacturer Logo Supply Voltage**
24	**VDC**

3. Product Information

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Technical specifications for IC755CSS12CDBCA

Manufacturer GE Fanuc Emerson

Product Type Operator Terminals

Product Line Quickpanel

Part Number IC755CSS12CDBCA

Weight 5.00 lbs (2.27 kg)

Description Operator Interface Terminal

Voltage 24 Volts DC

Screen Size 12 inches

Processor Intel Freescale i.MX535 1 GHz ARM Cortex A8 processor

Screen Type TFT

Clock Speed 1GHz

Memory 1 GB DDR3

Display size 12.1 inches

Display type Colored TFT Display

USB ports USB Host: Two (2) USB 2.0 (Type-A) USB Device: USB 2.0 (Mini Type-B)

Resolution 800 x 600 pixels

Serial ports 2

Input Type Touch

Terminal memory 1 GB DDR3 SDRAM; 512 MB SLC NAND ROM; 512 KB SRAM

Communication ports Two (2) Ethernet; One (1) RS232 UART One (1) RS232/ RS485

Two (2) Ethernet; One (1) RS232 UART One (1) RS323 / RS485 Removable storage slot:

1x SD/SDHC card slot Operating System

Windows Compact Embedded 7 Bezel Type

With manufacturer Logo Supply Voltage

24 VDC

Description

The IC755CSS12CDBCA is a QuickPanel+ operator terminal that is manufactured by Emerson Automation, formerly owned by GE Intelligent Platforms (GE IP). This is a Human Machine Interface (HMI) device that is used in different industrial application such a process and machine automation. It provides visualization and control interface of the control system in a remote or central location of the factory floor. It contributes to a more efficient control of control system and increases the reaction time of machine users and process operators. The IC755CSS12CDBCA is provided with a 12.1-inch Standard TFT LCD display with resolution of 800 x 600 pixels in SVGA format. The provided input interface is a projected capacitive touchscreen and Two (2) point multi-touch operator interface that permit direct interaction with published runtime objects to control the integrated machine or process. The device' processing capability is powered by an Intel Freescale i.MX535 processor with clock speed of 1 GHz ARM Cortex A8. The built-in memory available to this HMI is comprised of 1 GB DDR3 SDRAM; 512 MB SLC NAND ROM and 512 KB SRAM. The embedded communication ports include Two (2) Ethernet, One (1) RS232 UART and One (1) RS232 / RS45 communication ports. This HMI is powered by an external supply voltage of 24 VDC and input power of 12 Watts. The IC755CSS12CDBCA is pre-installed with a Windows Compact Embedded (CE) 7 Operating System (OS). This operating system provides a user-friendly and familiar configuration environment which supports some of Windows standard commands and features such as Command Prompt, File Transfer Protocol (FTP) and SNTP Protocol.

The GE Fanuc IC755CSS12CDBCA terminal is a 12-inch TFT operator interface terminal. It has been designed by GE Fanuc in the Quickpanel+ series. It is a multi-functional device and it helps to provide easier access to operating data and information. It is cost-effective and is easy to use. It comes with plug and play connectivity and it is portable. The terminal is a touchscreen terminal and it offers multi-touch options. It comes with 1 GB of DDR3 RAM. The IC755CSS12CDBCA terminal uses the embedded Windows 7 operating system by Microsoft. The terminal is equipped with an A8 Cortex processor for data processing. The outer body of the terminal is conformally-coated and this protects it in the harsh industrial conditions. It has a voltage rating of 24 Volts DC. For communication, it comes with dual Ethernet ports. The operator terminal has a screen resolution of 800 x 600 pixels. The GE Fanuc IC755CSS12CDBCA terminal offers faster processing speed than other terminals and it delivers high quality application visualization to the operators. This operator terminal can be used with controllers and I/O without any interruptions. It can also be used as a personal computer and it can run web browsers and support peer networking, HTTP, and FTP servers. The IC755CSS12CDBCA terminal's memory can be easily expanded by using an SD card. An RJ-45 connector is present in the terminal for network connections. Two USB ports are available in the terminal and they helps to connect peripheral devices like a keyboard, mouse, and printer. The front section comes with LED status indicators for different events. A buzzer is also present in this terminal variant.