GE Service Manual

IC754VGL06CTD

1. Description

The IC754VGL06CTD is a QuickPanel View device that is manufactured by Emerson Automation, formerly by GE Fanuc Automation. It features a Windows Compact Embedded (CE) operating system and loaded with Proficy Machine Edition Software. It has 6-inch colored display screen in 65,536 colors with resolution of 32- x 240 pixels. It has a Valox 357U bezel material and comes with an analog resistive touchscreen interface. It is built with an Intel XScale PXA255 processor with clock speed of 300 MHz, 64

2. Specifications

Specification	Value
Manufacturer	**GE Fanuc Emerson**
Product	**Type Human Machine Interface (HMI)**
Product	**Line Quickpanel**
Part	**Number IC754VGL06CTD**
Weight	**4.44 lbs (2.01 kg)**
Product	**Family QuickPanel View, Loaded**
Display	**Size 6"**
Display	**Color Color**
Processor	**Intel XScale PXA255, 400 Mhz**
Input	**Type Touchscreen**
Display	**Resolution 320 x 240 pixels**
Communication	**RS232 and RS485**
Display	**Type Colored Thin Film Transistor (TFT)**
Input	**Power 12 - 30 VDC**
Operator	**Input Resistive, 12 bit**
Integral	**Memory FLASH64 MB SRAM 512KB (power off retention is the life of the battery) DRAM 64 MB**
Memory	**32 MB**
Memory	**expansion slot 100 pin DIMM**
Communication	**Cable HMI-CAB-C94**
Memory	**Type SDRAM**
Compatible	**memory modules IC754ACC32MEM (32MB); IC754ACC64MEM (64 MB)**
Interface	**Two (2) Ethernet interface, One (1) Serial EIA232C/EIA485, DP25S combo port, One (1) RS232 port Two (2) USB Interfaces**
Product	**Lifecycle Status* Discontinued/Obsolete**
Operating	**System (OS) Windows CE Operating System**
Power	**Supply 12 to 30 VDC**

3. Product Information

The IC754VGL06CTD is a QuickPanel View device that is manufactured by Emerson Automation, formerly by GE Fanuc Automation. It features a Windows Compact Embedded (CE) operating system and loaded with Proficy Machine Edition Software. It has 6-inch colored display screen in 65,536 colors with resolution of 32- x 240 pixels. It has a Valox 357U bezel material and comes with an analog resistive touchscreen interface. It is built with an Intel XScale PXA255 processor with clock speed of 300 MHz, 64 MB Flash Memory, 512KB SRAM, 64 MB DRAM, 512KB Boot loader. For communication, it is provided with Two (2) Ethernet interface, One (1) Serial combo port supporting EIA232C/EIA485, DP25S standards and One (1) RS232 dedicated port Two (2) USB Interfaces.

Technical specifications for IC754VGL06CTD

Manufacturer GE Fanuc Emerson

Product Type Human Machine Interface (HMI)

Product Line Quickpanel

Part Number IC754VGL06CTD

Weight 4.44 lbs (2.01 kg)

Product Family QuickPanel View, Loaded

Display Size 6"

Display Color Color

Processor Intel XScale PXA255, 400 Mhz

Input Type Touchscreen

Display Resolution 320 x 240 pixels

Communication RS232 and RS485

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Input Power 12 - 30 VDC

Operator Input Resistive, 12 bit

Integral Memory FLASH64 MB SRAM 512KB (power off retention is the life of the battery) DRAM 64 MB

Memory 32 MB

Memory expansion slot 100 pin DIMM

Communication Cable HMI-CAB-C94

Memory Type SDRAM

Compatible memory modules IC754ACC32MEM (32MB); IC754ACC64MEM (64 MB)

Interface Two (2) Ethernet interface, One (1) Serial EIA232C/EIA485, DP25S combo port, One (1) RS232 port Two (2) USB Interfaces

Product Lifecycle Status* Discontinued/Obsolete

Operating System (OS) Windows CE Operating System

Power Supply 12 to 30 VDC

Description

The IC754VGL06CTD is a QuickPanel View operator panel that is currently manufactured by Emerson Automation. This electronic device is primarily used as operator interface, enabling centralized monitoring and interface of data in the factory floor. It can be designed to communicate with 1 or more machines as it is supplied with communication interfaces that not only support point-to-point communication but networked topologies as well. The IC754VGL06CTD comes with a loaded Proficy Machine Edition Software. It is designed with a 6-inch, colored display screen and an analog resistive touchscreen interface, permitting operator to navigate through the runtime application by touching objects published on the screen. For a smooth user interaction, the IC754VGL06CTD is loaded with on-board memory, appropriately partitioned to function independently. Specifically, these memory partitions are 64 MB Flash Memory, 512KB SRAM, 64 MB DRAM, 512KB Boot loader. It is also provided with a licensed and activated instance of Windows CE Compact Embedded (CE) operating system, enabling a Windows like environment that is familiar to most users. This operating system employs the popular Windows commands and shortcuts, providing a user-friendly interface and navigation environment. Additionally, it enables the Pocket Internet Explorer that can be used for launching the internet browser to view web sites and access file Transfer Protocol (FTP) functionality. The IC754VGL06CTD is also provided with Two (2) Ethernet interfaces, supporting 10/100 mbps transmission speed and maximum segment length of 100 meters which can be easily extended with the use of an ethernet switch or media converters. Two (2) serial ports are also available, with port 1 being a combo RS232 / 422 / 485 port while port 2 functioning as dedicated RS232 port.

The General-Electric IC754VGL06CTD terminal is a GE intelligent platform quick display which has a 6-inch TFT. It is a compact HMI control computer that is the most advanced in its class. This device allows various configurations to be performed on it based on the user’s individual needs. The IC754VGL06CTD intelligent display operates on a Microsoft Windows C.E NET OS. It can be fitted with a control operating system of the user’s choice. Its 6-inch touchscreen gives it the ability to either be used at home as a standalone system or as part of an integrated network. The user can install third-party applications in it that make the system more efficient and effective. Moreover, the IC754VGL06CTD intelligent display also has a high interface resolution with a number of options that allow the users to easily customize operations. It also has a number memory types that give the users the ability to store a lot of data and information in it. This also makes it function faster. The setup process of the IC754VGL06CTD display is fast and it only needs a DC power supply. The connection of the DC power supply is done through the quick-connect plug or any other optional input plugs that the user may desire to use. It is important that all parts are well checked and inspected before supplying power to avoid shocks. If the users intend to download applications, they ought to first set up a data link between the workstation and the new system via Ethernet.