GE Service Manual

IC754VBL06CTD

1. Description

The IC754VBL06CTD is a QuickPanel device that is manufactured by Emerson Automation, formerly by GE Fanuc Automation. It features a Windows Compact Embedded (CE) operating system, 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. F

2. Specifications

Specification	Value
Manufacturer	**GE Fanuc Emerson**
Product	**Type Human Machine Interface (HMI)**
Product	**Line Quickpanel**
Part	**Number IC754VBL06CTD**
Weight	**2.13 lbs (0.96 kg)**
Product	**Family QuickPanel View, Loaded**
Display	**Size 6"**
Display	**Color Color**
Processor	**Intel XScale PXA250, 300 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-CS3**
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	**IC754VBL**

3. Product Information

The IC754VBL06CTD is a QuickPanel device that is manufactured by Emerson Automation, formerly by GE Fanuc Automation. It features a Windows Compact Embedded (CE) operating system, 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 IC754VBL06CTD

Manufacturer GE Fanuc Emerson

Product Type Human Machine Interface (HMI)

Product Line Quickpanel

Part Number IC754VBL06CTD

Weight 2.13 lbs (0.96 kg)

Product Family QuickPanel View, Loaded

Display Size 6"

Display Color Color

Processor Intel XScale PXA250, 300 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-CS3

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 IC754VBL06CTD is a QuickPanel device that is manufactured by the GE Fanuc Automation, now, by Emerson Automation. This QuickPanel device may be generally referred to as Human Machine Interface (HMI), providing plant operators and process user to interact with the machine or process in real-time. It can be downloaded with a custom designed application developed using the Proficy Machine Edition software. The IC754VBL06CTD comes with a 6-inch colored screen, supporting 65,536 colors with resolution of 32- x 240 pixels. It is also installed with a Cold Cathode Fluorescent (CCFL) non-replaceable backlight with half-life operation of 50,000 hours. Analog resistive touch sensitive cells are also installed along the display screen, allowing operators to directly interface with process objects through touch gestures. The touch cells are scattered both in X and Y axis, specifically, 320 cells on X-axis and 240 cells on Y-axis. The IC754VBL06CTD is installed with a Windows Compact Embedded (CE) operating system and utilizes an Intel XScale PXA255 microprocessor with clock speed of 300 MHz. integrated memory to the device includes 64 MB Flash Memory, 512KB SRAM, 64 MB DRAM, 512KB Boot loader. The integrated DRAM memory may be upgraded by installing up to a maximum of Four (4) modules with catalog number IC754ACC32MEM (32MB) and IC754ACC64MEM (64 MB). Up to 64 MB expansion is permitted to this device. For communication, the IC754VBL06CTD is provided with Two (2) RJ45 ports, used as Ethernet interface. It supports transmission speeds of 10/100 mbps and may be configured to communicate with controllers and act as download port as well. Aside from the ethernet interface, this device also has Two (2) serial interface ports.

The IC754VBL06CTD terminal has a 6.1-inch color display and it is part of the General Electric GE QuickPanel series. The unit is powered using 12-30V DC of power. The IC754VBL06CTD is the multi-functional internet interface in industrial machines. It has the ability to integrate process control and view the options to execute tasks relying on embedded data. Relying on the stored data, this device helps to improve real-time control and interconnect all the plant systems for easy management. This device provides users with scalability and flexibility meant to grow their operational needs at lower ownership costs. With an option to expand the memory and ideal communication options, the configuration is made easy and the program can be run on different models. The IC754VBL06CTD lets the users connect to other machines using the Proficy View-Machine Edition software. It has an RS-232 and an RS-485 communication port and it uses the HMI-CAB-CS3 communication cable. Relying on the touch screen input mechanism, the user can control the HMI and input data and information. The QuickPanel terminal gives the users an actionable information to run the machines. The IC754VBL06CTD is built with the Microsoft Windows operating system. It features a built-in web server that makes it possible to access data and panels while using any standard browser. The terminal can connect with several devices to gather and analyze critical information. With its 32 MB internal memory, it can support all the application requirements of the system without failure. The IC754VBL06CTD has a large number of Ethernet and serial communication drives built in to increase its efficiency. Through an additional expansion card, this device can support communication over Fieldbus and vendor-specific networks.