GE Service Manual

IC754VBI06MTD

1. Description

The IC754VBI06MTD is a QuickPanel View Operator terminal. It is part of the Visualization product catalog that is manufactured by GE Fanuc. It functions as a Human Machine Interface (HMI), featuring monochrome display measuring 5.75 inches with resolution of 320 x 240 pixels. It comes with a Touchscreen operator interface; It has an Intel XScale PXA255 300 MHz CPU, Integrated memory that is comprised of 32 MB Flash, 512 KB SRAM,32 MB DRAM and 512 KB ROM. For communication, this device has an Eth

2. Specifications

Specification	Value
Manufacturer	**GE Fanuc Emerson**
Product	**Type Operator Terminals**
Product	**Line Quickpanel**
Part	**Number IC754VBI06MTD**
Weight	**2.25 lbs (1.02 kg)**
Product	**Family QuickPanel View**
Display	**Size 6 in.**
Display	**Color Monochrome**
Input	**Type Touchscreen**
Processor	**XScale PXA255**
Communication	**RS232 and RS485**
Clock	**Speed 300 MHz**
Input	**Power 12 - 30 VDC**
Bezel	**Material Valox 3706**
Membrane	**Material Lexan HP60**
Memory	**32 MB**
Display	**type Monochrome**
Communication	**Cable HMI-CAB-C67**
Resolution	**320 x 240 pixels**
Terminal	**memory 32 MB Flash; 512 KB SRAM; 32 MB DRAM; 512 KB ROM**
Product	**Lifecycle Status* Discontinued/Obsolete**
Communication	**ports Ethernet; RS232 / RS485**
Supply	**Voltage 24 VDC**

3. Product Information

The IC754VBI06MTD is a QuickPanel View Operator terminal. It is part of the Visualization product catalog that is manufactured by GE Fanuc. It functions as a Human Machine Interface (HMI), featuring monochrome display measuring 5.75 inches with resolution of 320 x 240 pixels. It comes with a Touchscreen operator interface; It has an Intel XScale PXA255 300 MHz CPU, Integrated memory that is comprised of 32 MB Flash, 512 KB SRAM,32 MB DRAM and 512 KB ROM. For communication, this device has an Ethernet, RS232 / RS485 communication ports. This terminal operates at an input supply voltage of 24 VDC with real power of 12 Watts.

Technical specifications for IC754VBI06MTD

Manufacturer GE Fanuc Emerson

Product Type Operator Terminals

Product Line Quickpanel

Part Number IC754VBI06MTD

Weight 2.25 lbs (1.02 kg)

Product Family QuickPanel View

Display Size 6 in.

Display Color Monochrome

Input Type Touchscreen

Processor XScale PXA255

Communication RS232 and RS485

Clock Speed 300 MHz

Input Power 12 - 30 VDC

Bezel Material Valox 3706

Membrane Material Lexan HP60

Memory 32 MB

Display type Monochrome

Communication Cable HMI-CAB-C67

Resolution 320 x 240 pixels

Terminal memory 32 MB Flash; 512 KB SRAM; 32 MB DRAM; 512 KB ROM

Product Lifecycle Status* Discontinued/Obsolete

Communication ports Ethernet; RS232 / RS485

Supply Voltage 24 VDC

Description

The IC754VBI06MTD is a Human Machine Interface (HMI) that is manufactured by GE Fanuc. This is an industrial device that is applicable for use in wide variety of applications in different industries. This HMI provides visualization and control of the of the connected machine or process. Typically, the IC754VBI06MTD is paired with a Programmable Logic Controller (PLC) via the provided communication interface to this HMI particularly One (1) RJ45 port that supports Ethernet I/P communication at transmission rate of 10/100 mbps at maximum distance per segment of 100 meters. It also has an RS232 point-to-point interface that is capable of up to 115200 kbps at maximum distance of 15 meters. The IC754VBI06MTD comes with a Passive FSTN monochrome display that is capable of 256 shades of gray with screen resolution of 320 x 240 pixels. It comes along a backlight that provides screen brightness and contrast with an half-life operation of 50,000 hours. The HMI’s front panel is made of a Valox 357U Bezel and Lexan HP60 membrane material. The IC754VBI06MTD is a Resistive 12-bit touchscreen operated terminal with 320 touch sensitive cells installed horizontally and 240 cells mounted vertically along the screen area. This touch interface allow operators to monitor and control the process directly through touch actions. The CPU that provides computing power to this HMI is an Intel XScale PXA255 HMI with clock speed of 300 Mhz. The built-in memory modules are 32 MB non-volatile Flash memory; 512 KB battery backed Static RAM (SRAM); 32 MB Dynamic RAM (DRAM) and 512KB Rean Only Memory (ROM) that functions as the boot loader partition.

The General-Electric IC754VBI06MTD is a module that can work either as a combination of HMI or as a fully-featured HMI. This HMI is installed with a Microsoft Windows CE Operating system and comes with a monochrome display so that the users can quickly and conveniently interface with their machines during application.