GE Service Manual

IC754VGI06MTD

1. Description

The IC754VGI06MTD 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 colored TFT-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 Et

2. Specifications

Specification	Value
Manufacturer	**GE Fanuc Emerson**
Product	**Type Interface Terminal**
Product	**Line Quickpanel**
Part	**Number IC754VGI06MTD**
Weight	**2.06 lbs (0.94 kg)**
Product	**Family QuickPanel View**
Ports	**1 Ethernet Port, 1 Serial Port, 2 USB Host Ports, and 1 USB Device Port**
Control	**Hardware Touchscreen**
Processor	**XScale PXA255**
Display	**Type 7-Inch Widescreen TFT LCD Screen**
Clock	**Speed 300 MHz**
Display	**Resolution 800 x 480 Pixels**
Bezel	**Material Valox 3706**
Operating	**System Microsoft Windows Embedded Compact 7**
Membrane	**Material Lexan HP60**
Operating	**Temperature 32 to 122 degrees Fahrenheit**
Resolution	**320 x 240 pixels**
Input	**Type Touch**
Terminal	**memory 32 MB Flash; 512 KB SRAM; 32 MB DRAM; 512 KB ROM**
Communication	**ports Ethernet; RS232 / RS485**
Supply	**Voltage 24 VDC**
Input	**Power 12 Watts**

3. Product Information

The IC754VGI06MTD 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 colored TFT-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 IC754VGI06MTD

Manufacturer GE Fanuc Emerson

Product Type Interface Terminal

Product Line Quickpanel

Part Number IC754VGI06MTD

Weight 2.06 lbs (0.94 kg)

Product Family QuickPanel View

Ports 1 Ethernet Port, 1 Serial Port, 2 USB Host Ports, and 1 USB Device Port

Control Hardware Touchscreen

Processor XScale PXA255

Display Type 7-Inch Widescreen TFT LCD Screen

Clock Speed 300 MHz

Display Resolution 800 x 480 Pixels

Bezel Material Valox 3706

Operating System Microsoft Windows Embedded Compact 7

Membrane Material Lexan HP60

Operating Temperature 32 to 122 degrees Fahrenheit

Resolution 320 x 240 pixels

Input Type Touch

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

Communication ports Ethernet; RS232 / RS485

Supply Voltage 24 VDC

Input Power 12 Watts

Description

The IC754VGI06MTD is a QuickPanel View operator terminal that is manufactured by GE Fanuc. This operator terminal functions as a Human Machine Interface (HMI) that is primarily used for implementing real-time monitoring and control of industrial machines and processes from a central location in the factory floor or auxiliary control location. This HMI is powered by an external 24 VDC supply voltage and real power requirement of 12 Watts. The IC754VGI06MTD is an operator terminal with colored graphics capable of 65536 colors. It has 5.75” inch screen with resolution of 320 x 240 pixels and installed with a Cold Cathode Fluorescent (CCFL) backlight with rated half-life operation of 40,000 hours. The built-in processor installed to this HMI is an Intel XScale PXA255 300 MHz Central Processing Unit (CPU) and integrated memory that is comprised of 32 MB Flash, 512 KB SRAM,32 MB DRAM and 512 KB ROM. A 100 pin DIMM memory expansion slot is also available to this terminal that is designed for installation of an SDRAM with maximum memory size of 64 MB. It also has a type 2 Compact Flash memory slot and a single slot expansion bus slot. The IC754VGI06MTD comes with a touch input interface. It is a 12-bit resistive touchscreen with 320 touch cells distributed horizontally and 240 pixels installed vertically. This touch interface can be calibrated through the configuration menu built-in to this HMI. For communication with partner PLC devices, this operator terminal is provided with One (1) Ethernet I/P communication port and One (1) RS232 communication interface.

The IC754VGI06MTD interface terminal is a Quickpanel that has been manufactured by GE Fanuc. It functions as a microcomputer that is designed to be highly flexible with as many key features as possible contained in a single device. The microprocessor that the IC754VGI06MTD Quickpanel interface terminal uses is an advanced type of ARM core microprocessor. It is equipped with communication ports that allow it to connect to and communicate with most other standard industrial devices and control system components. It is controlled by a touchscreen that is a high-resolution touchscreen. The IC754VGI06MTD Quickpanel interface terminal comes with 512 MB of RAM, 256 MB of ROM, and with 512 KB of SRAM that supports battery backup. The GE Fanuc IC754VGI06MTD interface terminal from the Quickpanel and Quickpanel+ series uses the Microsoft Windows Embedded Compact 7 operating system. Its touchscreen can support 2-point multi-touch commands. Its display is a 7-inch TFT LCD widescreen display with an LED backlight and a resolution of 800 x 480 pixels. The maximum power consumption rating for the IC754VGI06MTD interface terminal is 15 Watts and its maximum rated voltage is 30 Volts DC (the standard rated voltage is 24 Volts DC). The dimensions of the terminal are 7.56 x 5.39 x 1.42 inches and its weight is 1.76 pounds. The operating temperature range for the IC754VGI06MTD interface terminal is 32 to 122 degrees Fahrenheit and the storage temperature range is -4 to 140 degrees Fahrenheit. The ports that this terminal comes with are 1 Ethernet port, 1 serial port, 2 USB host ports, and 1 USB device port.