GE Service Manual

IC755CKW15CDM

1. Description

The Quickpanel+ operator interface terminal with the product code IC755CKW15CDM is manufactured by GE Fanuc and it is used for high-performance industrial systems. The display terminal has a diagonal measurement of 15 inches and it has a wide screen that enables better viewing angles.

2. Specifications

Specification	Value
Manufacturer	**GE Fanuc Emerson**
Product	**Line Quickpanel**
Part	**Number IC755CKW15CDM**
Weight	**32.00 lbs (14.51 kg)**
Display	**Size and Type 15-inch Widescreen TFT LCD**
Resolution	**1024 x 768 pixels WVGA**
Colors	**65,536**
Brightness	**310 cd/m2**
Touchscreen	**Projective capacitive, two-point**
Processor	**Freescale i.MX535 (1 gigahertz ARM Cortex A8)**
RAM	**DDR3 SDRAM 1 GB**
ROM	**SLC NAND 512 MB**
SRAM	**512 kilobytes (with battery backup)**
Ethernet	**Ports 2 x 10/100BaseT (RJ-45)**
Serial	**Ports 1 x RS-232 UART port / 1 x RS-232/485 port**
USB	**Ports 2 x USB 2.0 (Type-A) (Host), 1 x USB 2.0 (Mini Type-B) (Device)**
Storage	**1 x SD/SDHC card slot**

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Technical specifications for IC755CKW15CDM

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USB Ports 2 x USB 2.0 (Type-A) (Host), 1 x USB 2.0 (Mini Type-B) (Device)

Storage 1 x SD/SDHC card slot

Description

The IC755CKW15CDM terminal is an an industrial operator interface terminal that is designed and made by GE Fanuc. The unit is part of the Quickpanel+ series and it operates on an input voltage of 12/24 Volts DC. The maximum power consumption rating of the unit is 30 Watts when the current rating is 2.5 or 1.25 Amps. The IC755CKW15CDM terminal has a 15-inch widescreen TFT LCD screen with a resolution of 1024 x 768 pixels. The display comes with an LED backlight and it has a brightness of 310 candela per square meter, along with 65,536 colors in its graphics. The Freescale i.MX535 processor of the unit operates on a maximum speed of 1 gigahertz and the unit has a DDR3 RAM capacity of 1 gigabyte. The SLC NAND ROM capacity of the unit is 512 megabytes and it has an SRAM capacity of 512 kilobytes.

The GE Fanuc IC755CKW15CDM operator interface terminal comes with audio ports that include a single microphone mono input and a single stereo line out port. The audio ports are intended for 3.5-millimeter jacks. This component has 2 Ethernet ports that are the 10/100BaseT RJ-45 type and serial ports like the RS-232 UART port and the RS-232/485 port. In addition to that, the unit has multiple USB 2.0 ports, including 2 ports for host devices and one port for other devices. The USB ports for host devices are Type-A ports and they have a maximum power rating of 5 Volts at 0.5 Amps of current while the port for other devices is the mini Type-B type of port. The IC755CKW15CDM operator interface terminal also has a slot for a memory card. The supported type of memory card is the SD/SDHC card type.