

Mitsubishi GT1685M-STBD Manual

Brand	Mitsubishi
Product Series	Sheet15
Product Type	65,536 colors

Description

GT1685M-STBD | Mitsubishi Interface GOT1000

Manufacturer : Mitsubishi Electric

GT1685M-STBD

GOT1000 series GT16

Model type : 65,536 colors

Dedicated type : Multimedia compliant

Memory Size : 15MB

Screen Size(Resolution) :800 x 600(SVGA)

Display device type : TFT color (High intensity, Wide angle view)

Panel color type : Black

Power type : 24VDC

Input Power Supply Voltage : 24VDC (+25%, -20%)

Power Consumption : 40W or less

Power Consumption W/ Backlight Off : 26W or less

Inrush Current : 12A or less (55ms, at max. load)

Permissible Instant. Failure Time : Within 10ms

Noise Resistance : Noise voltage 500Vp-p, noise width 1μs by noise simulator with noise frequency 25 to 60Hz

Withstand Voltage: 500VDC for 1 minute between power supply terminal and ground

Insulation Resistance : 10MO or higher with an insulation resistance tester (500VDC between power supply terminal and ground)

Applicable Wire Size : 0.75 to 2 [mm²]

Clamp Terminal : Clamp terminals for M3 screw RAV1.25-3, V2-S3.3, V2-N3A, FV2-N3A

Tightening Torque (Terminal Block's Terminal Screws) : 0.5 to 0.8 [N·m]

Model Number : GT1685M-STBD

Display (1*) Type : TFT color LCD (high-brightness, wide viewing angle)

Screen Size : 15" : 12.1"

Resolution (Dots) : 800 x 600 SVGA

Display Size (W x H) mm : 246 x 184.5

Number of Displayed Characters : 16-dot standard font: 50 chars. x 37 lines (2-byte) 12-dot standard font: 66 chars. x 50 lines (2-byte)

Display Colors 65,536

View Angle (*2) : Right/left: 80°, Up: 60°, Down: 80°

Intensity (cd/m²) : 470

Intensity Adjustment : 8-step adjustment

Life : Approx. 52,000 hours (operating ambient temperature: 25°C)

Backlight Backlight : Cold-cathode fluorescent tube (replaceable), with backlight OFF detection function. Backlight off time and screen save time can be set.

Life (*3) : Approx. 50,000 hours or more (Time for display intensity reaches 50% at operating ambient temperature of 25°C)

Touch Panel (*6) Type : Analog resistive type

Key Size (Dots) : Min. 2 x 2 (per key)

No. of Simultaneous Touch Pts. : Simultaneous touch prohibited (1 point only)

Life : 1,000,000 times or more (operating force 0.98N or less)

Human Sensor Detection Distance (m) : 1

Detection Range : Right/left/up/down: 70°

Detection Delay Time (Sec) : 0 to 4

Detection Temperature : Temperature difference between human body and ambient air: 4°C or higher

Memory C Drive : 15MB built-in flash memory (for saving project data, extended function OS/optional function OS)

Life (No. Of Writings) : 100,000 times

Battery : GT15-BAT type lithium battery (optional)

Backed Up Data : Clock data and maintenance time notification data, system log data

Life : Approx. 5 years (operating ambient temperature: 25°C)

Built-in Interface RS-232 : RS-232, 1ch. Transmission speed: 115200/57600/38400/19200/9600/4800 bps; Connector shape: D-sub 9-pin (male); Application: Communication with connected devices, connection to personal computer; (project data upload/download, OS installation, FA transparent function)

RS-422/485 : RS-422/485, 1ch. Transmission speed: 115200/57600/38400/19200/9600/4800 bps; Connector shape: 14-pin (female); Application: Communication with a controller

Ethernet : Data transfer method: 100BASE-TX, 1 ch.; Connector shape: RJ-45 (modular jack); Application: Communication with a controller, using the gateway function, or connection to personal computer; (project data upload/download, OS installation, MES interface function)

USB : USB (full speed: 12 Mbps), host 1ch.; Connector shape: TYPE-A Application: Data transfer, data storage

: USB (full speed: 12 Mbps), device 1ch. Connector shape: TYPE Mini-B; Application: Connection to personal computer (project data upload/download, OS installation, FA transparent function)

CF Card : Compact flash slot, 1ch. Connector shape: TYPE I Application: Data transfer and storage, GOT start-up

Optional Function Board : 1ch for optional function board installation

Extension Unit : 2ch for communication unit/optional unit installation

Buzzer Output : Single tone (tone length adjustable)

Protective Construction : Outside the enclosure: IP67 Inside the enclosure: IP2X (*4, *5)

External Dimensions (W x H x D) mm : 316 x 242 x 52

Panel Cutout (W x H) mm : 302 x 228

Weight (Excluding Mounting Brackets) (kg) : 2.7

Applicable Software Package : GT Works3 Version1.17T or later