

Performance specifications

Item	Specification							
	GT1695M-XTBA GT1695M-XTBD	GT1685M-STBA GT1685M-STBD	GT1675M-STBA GT1675M-STBD	GT1675M-VTBA GT1675M-VTBD	GT1675-VNBA GT1675-VNBD	GT1672-VNBA GT1672-VNBD	GT1665M-STBA GT1665M-STBD	
Display *1	Type	TFT color LCD (high-brightness, wide viewing angle)			TFT color LCD		TFT color LCD (high-brightness, wide viewing angle)	
	Screen size	15"	12.1"	10.4"		8.4"		
	Resolution	XGA: 1024 × 768 [dots]	SVGA: 800 × 600 [dots]	SVGA: 800 × 600 [dots]	VGA: 640 × 480 [dots]		SVGA: 800 × 600 [dots]	
	Display size	304.1(W) × 228.1(H)[mm]	246(W) × 184.5(H)[mm]	211(W) × 158(H)[mm]			171(W) × 128(H)[mm]	
	No. of displayed characters	16-dot standard font: 64 chars. × 48 lines (2-byte) 12-dot standard font: 85 chars. × 64 lines (2-byte)	16-dot standard font: 50 chars. × 37 lines (2-byte) 12-dot standard font: 66 chars. × 50 lines (2-byte)		16-dot standard font: 40 chars. × 30 lines (2-byte) 12-dot standard font: 53 chars. × 40 lines (2-byte)		16-dot standard font: 50 chars. × 37 lines (2-byte) 12-dot standard font: 66 chars. × 50 lines (2-byte)	
	Display colors	65,536 colors			4,096 colors	16 colors		
	View angle*2	Right/left: 75°, Up: 50°, Down: 60°	Right/left: 80°, Up: 60°, Down: 80°	Right/left/up/down	• Right/left: 70°, Up/down: 65° (Function version D or later) • Right/left/up/down: 88° (Function version C or earlier)	Right/left: 45°, Up: 30°, Down: 20°		Right/left: 80°, Up: 80°, Down: 60°
	Intensity	450 [cd/m ²]	470 [cd/m ²]	400 [cd/m ²]	450 [cd/m ²]	200 [cd/m ²]		400 [cd/m ²]
	Intensity adjustment	8-step adjustment			4-step adjustment		8-step adjustment	
Life	Approx. 52,000 hours (operating ambient temperature: 25°C)		Approx. 43,000 hours (operating ambient temperature: 25°C)		Approx. 52,000 hours (operating ambient temperature: 25°C)		Approx. 43,000 hours (operating ambient temperature: 25°C)	
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 *10	Type	Analog resistive type						
	Key size	Min. 2 × 2 [dots] (per key)						
	No. of simultaneous touch points	Simultaneous touch prohibited*4 (1 point only)						
	Life*11	1,000,000 times or more (operating force 0.98N or less)						
Human sensor	Detection distance	1 [m]					-	
	Detection range	Right/left/up/down: 70°					-	
	Detection delay time	0 to 4 [sec]					-	
	Detection temperature	Temperature difference to be 4°C or more between human body and ambient air					-	
Memory *5	C drive	15MB built-in flash memory (for saving project data and OS)			11MB built-in flash memory (for saving project data and OS)		15MB built-in flash memory (for saving project data and OS)	
	Life (No. of writings)	100,000 times						
Internal clock accuracy	3.47 to 8.38 secs/day (operating ambient temperature: 25°C)*12							
Battery	GT15-BAT type lithium battery							
	Backed up data	Clock data, maintenance time notification data, system log data and SRAM user area (500KB)						
Life	Approx. 5 years (operating ambient temperature: 25°C)							
Built-in interface	RS-232*7	RS-232, 1ch Transmission speed: 115200/57600/38400/19200/9600/4800bps Connector shape: D-sub 9-pin (male) Application: Communication with connected devices, connection to personal computer (project data read/write, OS installation, FA transparent function)						
	RS-422/485	RS-422/485, 1ch Transmission speed: 115200/57600/38400/19200/9600/4800bps Connector shape: 14-pin (female) Application: Communication with connected devices						
	Ethernet	Data transfer system: 100BASE-TX, 10BASE-T, 1ch*8 Connector shape: RJ-45 (modular jack) Application: Communication with connected devices, gateway function, connection to personal computer (project data read/write, OS installation, FA transparent function, MES interface function)						
	USB	USB (full-speed 12Mbps), host 1ch Connector shape: TYPE-A Application: USB mouse/keyboard connection, USB memory data transfer and storage FAT16 format: max. 2GB, FAT32 format: max. 32GB*13						
		USB (full-speed 12Mbps), device 1ch Connector shape: Mini-B Application: Connection to personal computer (project data read/write, OS installation, FA transparent function)						
	CF card	Compact flash slot, 1ch Connector shape: TYPE I Application: Data transfer, data storage, GOT startup FAT16 format: max. 2GB, FAT32 format: max. 32GB*13						
	Optional function board	1ch for optional function board installation						
Extension unit*7	2ch for communication unit/optional unit installation							
Buzzer output	Single tone (tone length adjustable)							
Protective construction	Front: IP67*8 In panel: IP2X							
External dimensions	397(W) × 296(H) × 61(D)[mm]	316(W) × 242(H) × 52(D)[mm]	303(W) × 214(H) × 49(D)[mm]			241(W) × 190(H) × 52(D)[mm]		
Panel cut dimensions	383.5(W) × 282.5(H)[mm]	302(W) × 228(H)[mm]	289(W) × 200(H)[mm]			227(W) × 176(H)[mm]		
Weight (excl. mounting brackets)	5.0[kg]	2.7[kg]	2.1[kg]		2.3[kg]		1.7[kg]	
Applicable software packages	GT Works3 Version 1.31H or later				GT Works3 Version 1.31H or later (not supported by GT Works2/GT Designer 2)		GT Works3 Version 1.31H or later	