

mitsubishi

Memory Board for option functions type A9GT-QFNB/A9GT-QFNB4M/A9GT-QFNB8M

User's Manual (Hardware)

Thank you for purchasing the MELSEC-GOT Series.

To ensure correct use of this equipment, please carefully read this manual prior to use.



MODEL	A9GT-QFNB-U
MODEL CODE	1DM134
IB(NA)-0800051-E(0406)MEE	

Mitsubishi Graphics Operation Terminal

● SAFETY PRECAUTIONS ●

(Always read these instructions before using this equipment.)

When using Mitsubishi equipment, thoroughly read this manual and the associated manuals that are introduced in this manual. Also, pay careful attention to safety and handle the module properly.

These precautions apply only to Mitsubishi equipment. Please refer to the relevant user's manuals for safety precautions pertaining to Mitsubishi programmable controller systems and Graphics Operation Terminal (abbreviated as GOT, hereafter).


The SAFETY PRECAUTIONS in this manual are classified into two categories: DANGER and CAUTION.



Procedures which may lead to a dangerous condition and cause death or serious personal injury if not observed as directed.



Procedures which may lead to a dangerous condition and cause minor to medium personal injury or damage only to property, if not observed as directed.

Depending on circumstances, procedures indicated with  **CAUTION** could also lead to serious results.

In any case, it is important to strictly observe the directions indicated with the above signs.

Keep this manual in a place which allows you to easily reach it whenever necessary. Please make sure that the end user of this equipment be provided with this manual.

[INSTALLATION PRECAUTIONS]

DANGER

- When installing and removing this module from the GOT main be sure to shut off the power at all external switches. If all the switches are not turned off, the module could be damaged or malfunction.

CAUTION

- Use this module in an environment that is within the general specifications written in the GOT User's Manual. If the power supply is used in an environment that is outside of the general specifications then electric shock, fire, malfunction, or product damage or degradation could occur.
- When this unit is installed in the main body of GOT, this unit is installed in the memory board installation part and the installation screw is tightened within the range of a regulated torque. When tightening the installation screw is loose, the fall, the breakdown, and the malfunction are caused. When the installation screw is tightened too much, the fall by the damage of the main body of GOT and the screw, breakdowns, and malfunctions are caused.

[STARTUP AND MAINTENANCE PRECAUTIONS]

CAUTION

- Do not disassemble or modify any module.
This will cause failure, malfunction, injuries, or fire.
- Do not directly touch the conducted area and electric parts of this module. It may cause damage and malfunctioning of the module.
- This module is made of resinous materials, and should be protected from strong shock or impact. It may cause breakdown.
- Before handling the unit, touch a grounded metal or similar object to discharge the static electricity from the human body.
Failure to do so may cause the unit to fail or malfunction.

[DISPOSAL PRECAUTIONS]

CAUTION

- When disposing, treat this product as industrial waste.

Manuals

The following manuals are relevant to this product.
Refer to the following list and order the required manuals.

Detailed Manuals

Manual name	Manual No. (Model code)
A985GOT/A975GOT/A970GOT/A960GOT User's Manual (Available as option)	SH-4005 (1DM099)
A950GOT/A951GOT/A953GOT/A956GOT User's Manual (Available as option)	SH-080018 (1DM103)

Relevant Manuals

For relevant manual, refer to the PDF manual stored within the drawing software.

1. OVERVIEW

This User's Manual describes the memory board for the A9GT-QFNB/A9GT-QFNB4M/A9GT-QFNB8M type option function (hereinafter, memory board).

The memory board is the unit which is mounted on the A985GOT/A975GOT/A970GOT/A960GOT/A956WGOT (hereinafter, GOT), to enable use of the option functions with the GOT.

Moreover, the memory board can be used as an increase memory of the memory area for the screen storing data of GOT.(Excluding A9GT-QFNB)

It is possible to use by installing the memory board and the becoming option function is following functions.

- Circuit monitor function*
- Recipe function
- Network monitor function
- Motion monitor function
- Special unit monitor function
- Voice output function
- List editor function

* With the circuit monitor function, monitoring of the QCPU, QnACPU in addition to the ACPU and FXCPU is possible.

When using the memory board, the following ROM_BIOS Version is required.

A9GT-QFNB : Version M or later (SW5D5C-GTWORKS-E Version A or later or SW5D5C-GOTR-PACKE Version A or later)

A9GT-QFNB4M : Version H or later (SW5D5C-GTWORKS-E Version A or later or SW1D5C-GOTRE-PACK Version J or later)

A9GT-QFNB8M : Version J or later (SW5D5C-GTWORKS-E Version A or later or SW3D5C-GOTRE-PACK Version A or later)

- Refer to the [A985GOT/A975GOT/A970GOT/A960GOT User's Manual] or [A950GOT/A951GOT/A953GOT/A956GOT User's manual] for details on mounting the memory board on the GOT.
- Refer to the [GOT-A900 Series Operating Manual (Extended•Option Functions Manual)] for details on the option functions.
- Refer to the [GT Works Version 5/GT Designer Version 5 or [GT Designer 2 Version [] Operating Manual] Reference Manual] for version confirmation and installation of ROM_BIOS.

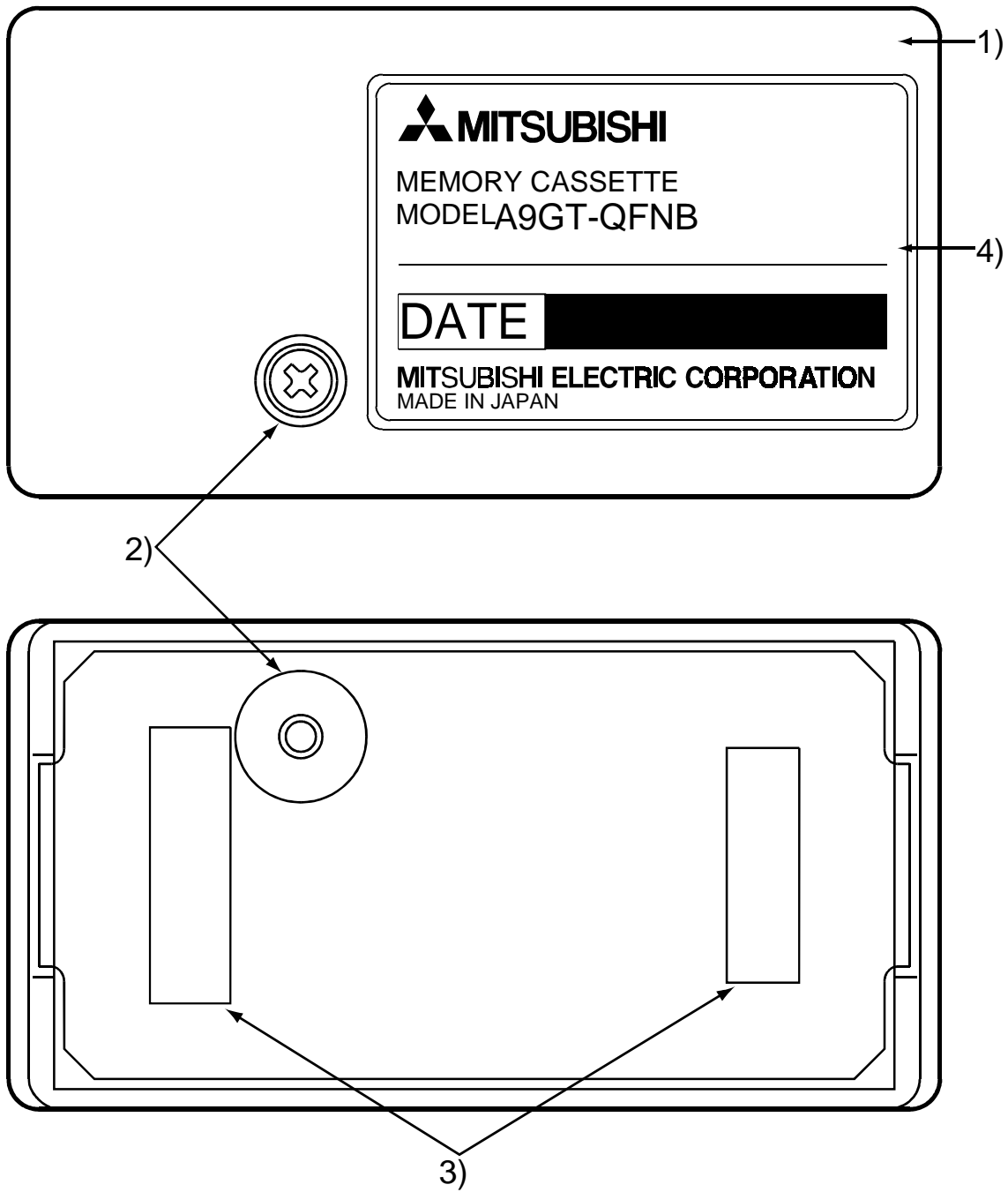
After opening the container, check that the following products are present.

Description	Quantity
Memory board body	1

2.PERFORMANCE SPECIFICATIONS

Items	Performance		
	A9GT-QFNB	A9GT-QFNB4M	A9GT-QFNB8M
Type of memory	-	Flash ROM	
Extended memory capacity [byte]	-	4M	8M
Memory capacity of main body of GOT after installing GOT [byte]	1M	5M	9M
Flash_ROM service time for writing [time]	-	100,000	
weight [g(lb)]	14.8(0.03)	12.6(0.03)	12.8(0.03)

3. NAME OF THE PARTS



No.	Name	Description
1)	Cover	Protective cover for memory board body
2)	Memory board installation screw	M2.6 screw 25 to 35N•cm
3)	Connector installed in GOT	Mounting connector to GOT
4)	Rating plate	-

Warranty

Mitsubishi will not be held liable for damage caused by factors found not to be the cause of Mitsubishi; machine damage or lost profits caused by faults in the Mitsubishi products; damage, secondary damage, accident compensation caused by special factors unpredictable by Mitsubishi; damages to products other than Mitsubishi products; and to other duties.

For safe use

- This product has been manufactured as a general-purpose part for general industries, and has not been designed or manufactured to be incorporated in a device or system used in purposes related to human life.
- Before using the product for special purposes such as nuclear power, electric power, aerospace, medicine or passenger movement vehicles, consult with Mitsubishi.
- This product has been manufactured under strict quality control. However, when installing the product where major accidents or losses could occur if the product fails, install appropriate backup or failsafe functions in the system.

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