

MITSUBISHI ELECTRIC

GT15 OPTION FUNCTION BOARD/OPTION FUNCTION BOARD WITH ADD-ON MEMORY

User's Manual

**GT15-FNB
GT15-QFNB
GT15-QFNB16M
GT15-QFNB32M
GT15-QFNB48M
GT15-MESB48M**

Thank you for purchasing the GOT1000 Series.

Prior to use, please read both this manual and detailed manual thoroughly to fully understand the product.

| | |
|---------------------------|------------|
| MODEL | GT15-FNB-U |
| MODEL CODE | 1D7M07 |
| IB(NA)-0800301-I(1610)MEE | |

GRAPHIC OPERATION TERMINAL

GOT1000

SAFETY PRECAUTIONS

(Always read these precautions before using this equipment.)

Before using this product, please read this manual and the relevant manuals introduced in this manual carefully and pay full attention to safety to handle the product correctly.

The precautions given in this manual are concerned with this product.

In this manual, the safety precautions are ranked as "DANGER" and "CAUTION".

DANGER

Indicates that incorrect handling may cause hazardous conditions, resulting in death or severe injury.

CAUTION

Indicates that incorrect handling may cause hazardous conditions, resulting in medium or slight personal injury or physical damage.

Note that the CAUTION level may lead to a serious accident according to the circumstances.

Always follow the precautions of both levels because they are important to personal safety.

Please save this manual to make it accessible when required and always forward it to the end user.

[INSTALLATION PRECAUTIONS]

DANGER

- Before mounting or dismounting this unit to or from the GOT, always shut off GOT power externally in all phases. Not doing so can cause a unit failure or malfunction.
- When installing this unit, wear an earth band, etc. to avoid the static electricity which can cause a unit destruction.

CAUTION

- Use this module in the environment that satisfies the general specifications described in the User's Manual for the GOT used. Not doing so can cause an electric shock, fire, malfunction or product damage or deterioration.
- When installing this unit to the GOT, fit it to the option function board interface of the GOT until it clicks. The installation failure can cause a malfunction due to the poor connection.

[STARTUP AND MAINTENANCE PRECAUTIONS]

CAUTION

- Do not disassemble or modify any unit. This will cause failure, malfunction, injuries, or fire.
- Do not touch the conductive areas and electronic parts of this unit directly. Doing so can cause a unit malfunction or failure.
- Always make sure to touch the grounded metal to discharge the electricity charged in the body, etc., before touching the unit. Failure to do so may cause a failure or malfunctions of the unit.

[DISPOSAL PRECAUTIONS]

CAUTION

- Dispose of this product as industrial waste.

[TRANSPORTATION PRECAUTIONS]

CAUTION

- Make sure to transport the GOT main unit and/or relevant unit(s) in the manner they will not be exposed to the impact exceeding the impact resistance described in the general specifications of the User's Manual for the GOT used, as they are precision devices. Failure to do so may cause the unit to fail. Check if the unit operates correctly after transportation.

Manual

The following shows manual relevant to this product.

Detailed Manual

| Manual name | Manual number (Model code) |
|--------------------------------------|----------------------------|
| GT15 User's Manual (Sold separately) | SH-080528ENG (1D7M23) |

Relevant Manuals

For relevant manuals, refer to the PDF manuals stored in the DVD-ROM for the drawing software used.

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Compliance with the EMC and Low Voltage Directives

To configure a system meeting the requirements of the EMC and Low Voltage Directives when incorporating the Mitsubishi GOT (EMC and Low Voltage Directives compliant) into other machinery or equipment, refer to "EMC AND LOW VOLTAGE DIRECTIVES" of the General Description included with the GOT used. The CE mark, indicating compliance with the EMC and Low Voltage Directives, is printed on the rating plate of the GOT.

Compliance with the new China RoHS directive

GOT 相关的基于“电器电子产品有害物质限制使用管理办法”要求的表示方法



Note: This symbol mark is for China only.

含有有害6物质的名称、含有量、含有部件
本产品中所含有的有害6物质的名称、含有量、含有部件如下表所示。
产品中有害物质的名称及含量

| 部件名称 | 有害物质 | | | | | |
|-------|--------|--------|--------|--------------|------------|--------------|
| | 铅 (Pb) | 汞 (Hg) | 镉 (Cd) | 六价铬 (Cr(VI)) | 多溴联苯 (PBB) | 多溴二苯醚 (PBDE) |
| 电路板组件 | × | ○ | ○ | ○ | ○ | ○ |

本表格依据 SJ/T11364 的规定编制。
○：表示该有害物质在该部件所有均质材料中的含量均在 GB/T26572 规定的限量要求以下。
×：表示该有害物质至少在该部件的某一均质材料中的含量超出 GB/T26572 规定的限量要求。

Packing List

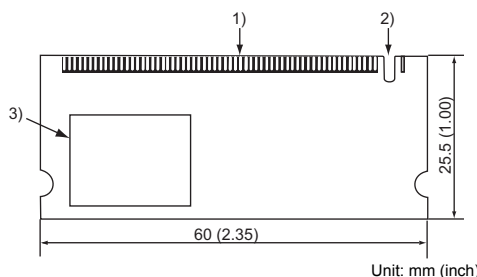
The following items are included.

| Model | Product | Quantity |
|--|---|----------|
| GT15-FNB, GT15-QFNB | Option function board | 1 |
| | GT15 OPTION FUNCTION BOARD/OPTION FUNCTION BOARD WITH ADD-ON MEMORY User's Manual (This manual) | 1 |
| GT15-QFNB16M, GT15-QFNB32M, GT15-QFNB48M, GT15-MESB48M | Option function board with add-on memory | 1 |
| | GT15 OPTION FUNCTION BOARD/OPTION FUNCTION BOARD WITH ADD-ON MEMORY User's Manual (This manual) | 1 |

1. OVERVIEW

This User's Manual describes the GT15 option function board/option function board with add-on memory (hereinafter referred to as the option function board). Installation of the option function board increases functions. Refer to the User's Manual for the GOT used for the applicable GOT. Refer to GT Designer2 Version □ Screen Design Manual for the increased functions.

3. PART NAMES AND EXTERNAL DIMENSIONS

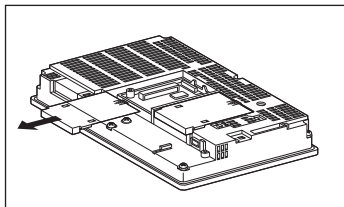


| No. | Name | Description |
|-----|-------------------|---|
| 1) | Connector | For connecting the option function board interface of the GOT |
| 2) | Positioning crena | For positioning in the option function board installation |
| 3) | Rating plate | — |

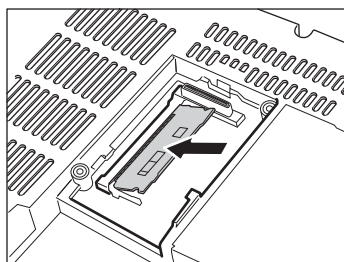
4. INSTALLATION PROCEDURE

The installation procedure for the option function board is explained using the GT1575.

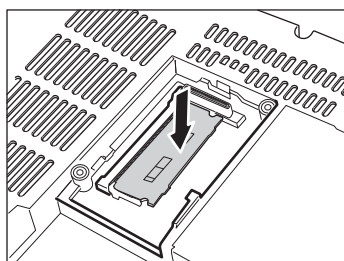
- Power off the GOT.
- Remove the extension unit cover on the left side of the GOT. When the extension unit is installed on the GOT, remove the installed unit.



- Insert the option function board to the option function board interface to which the positioning crenas are fitted. Do not touch the board in the GOT when install the option function board.



- Push down the option function board until it clicks.



- After the installation of option function board, attach the extension unit cover. For installation of extension unit, install the extension unit.

2. SPECIFICATIONS

The performance specifications of the option function board are indicated below. The general specifications of the option function board are the same as those of the GOT. For the general specifications of the GOT, refer to the User's Manual for the GOT used.

(1) GT15-FNB

| Item | Specification |
|--|--|
| Memory capacity | - |
| GOT memory capacity after installation | 9MB |
| Function | Applicable for MELSEC-A/FX ladder monitor function |

(2) GT15-QFNB, GT15-QFNB16M, GT15-QFNB32M, GT15-QFNB48M

| Item | Specification | | | |
|--|--|--------------|--------------|--------------|
| | GT15-QFNB | GT15-QFNB16M | GT15-QFNB32M | GT15-QFNB48M |
| Memory capacity | - | 16MB | 32MB | 48MB |
| GOT memory capacity after installation | 9MB | 25MB | 41MB | 57MB |
| Function | Applicable for MELSEC-Q/QnA/A/FX ladder monitor function, multi-channel function | | | |

(3) GT15-MESB48M

| Item | Specification |
|--|---|
| Memory capacity | 48MB |
| GOT memory capacity after installation | 57MB |
| Function | Applicable for MELSEC-Q/QnA/A/FX ladder monitor function, multichannel function, MES interface function |

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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Specifications subject to change without notice.
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