

MITSUBISHI

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

User's Manual

GT15-FNB
GT15-QFNB
GT15-QFNB16M
GT15-QFNB32M
GT15-QFNB48M

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-C(0504)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 given in the general specifications of the GT15 User's Manual. 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 GT15 User's Manual, as they are precision devices. Failure to do so may cause the unit to fail. Check if the unit operates correctly after transportation.

Manuals

The following shows manuals relevant to this product.

Detailed Manual

Manual name	Manual Number (Type code)
GT15 User's Manual (Option)	SH-080528ENG (1D7M23)

Relevant Manuals

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

© 2004 MITSUBISHI ELECTRIC CORPORATION

Compliance with the EMC and Low Voltage

Directives

When incorporating the Mitsubishi GOT into other machinery or equipment and keeping compliance with the EMC and low voltage directives, refer to Chapter 4, "EMC Directives and Low Voltage Directives" of the manual (GT15 General Description) included with the GOT used.

The CE Logo is printed on the rating plate of the GOT, indicating compliance with the EMC and low voltage directives. By making this product conform to the EMC directive and low voltage instruction, it is not necessary to make those steps individually.

1. Overview

This User's Manual describes the GT15 option function board/option function board with add-on memory (hereafter abbreviated to the option function board).

There are the following option function board types. Installation of the option function board increases functions. Refer to the GT15 User's Manual for the applicable GOT, and to the GT Designer2 Version L. Screen Design Manual for the increased functions.

Product name	Model name	Description
Option function board	GT15-FNB	Without expansion memory Supports ladder monitor for A/FX
	GT15-QFNB	Without expansion memory Supports ladder monitor for Q/QnA/A/FX
	GT15-QFNB16M	Expansion memory 16MB Supports ladder monitor for Q/QnA/A/FX
	GT15-QFNB32M	Expansion memory 32MB Supports ladder monitor for Q/QnA/A/FX
	GT15-QFNB48M	Expansion memory 48MB Supports ladder monitor for Q/QnA/A/FX

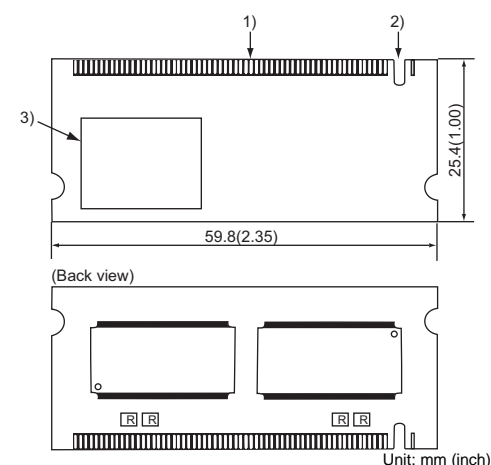
2. Specifications

The performance specifications of the option function board are indicated below.

For the general specifications of the option function board, refer to the GT15 User's Manual to be used.

Item	GT15-FNB	GT15-QFNB	GT15-QFNB 16M	GT15-QFNB 32M	GT15-QFNB 48M
Memory capacity	-	-	16MB	32MB	48MB
GOT memory capacity after installation	9MB	9MB	25MB	41MB	57MB

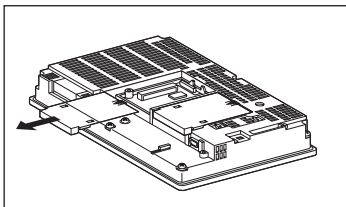
3. Part Names and External Dimensions



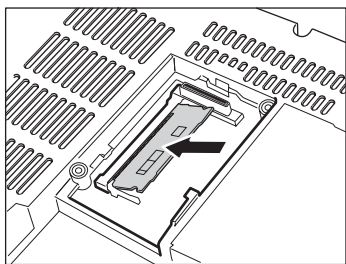
No.	Name	Description
1)	Connector	For connecting the option function board interface of the GOT
2)	Positioning crena	For positioning in the option function board installation
3)	Rating plate	---

4. Installation Procedure

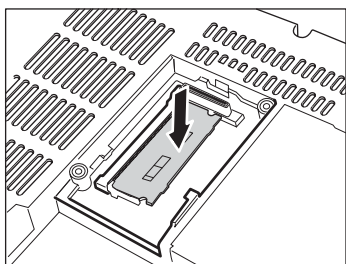
- Power off the GOT.
- Remove the expansion unit cover on the left side of the GOT.



- Insert the option function board to the option function board interface to which the positioning crenas are fitted. (When the expansion unit is installed on the GOT, remove the installed unit before installing the option function board.)



- Push down the option function board until it clicks.



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.

Country/Region Sales office/Tel

U.S.A	Mitsubishi Electric Automation Inc. 500 Corporate Woods Parkway Vernon Hills, IL 60061 Tel : +1-847-478-2100
Brazil	MELCO-TEC Rep. Com.e Assessoria Tecnica Ltda. Rua Correia Dias, 184, Edificio Paraiso Trade Center-8 andar Paraiso, Sao Paulo, SP Brazil Tel : +55-11-5908-8331
Germany	Mitsubishi Electric Europe B.V. German Branch Gothaer Strasse 8 D-40890 Ratingen, GERMANY Tel : +49-2102-486-0
U.K	Mitsubishi Electric Europe B.V. UK Branch Travellers Lane, Hatfield, Herts., AL10 8XB,UK Tel : +44-1707-276100
Italy	Mitsubishi Electric Europe B.V. Italian Branch Centro Dir. Colleoni, Pal. Perso-Ingr.2 Via Paracelso 12, 20041 Agrate B., Milano, Italy Tel : +39-039-605344
Spain	Mitsubishi Electric Europe B.V. Spanish Branch Carretera de Rubi 76-80 08190 - Sant Cugat del Valles, Barcelona, Spain Tel : +34-93-565-3131
France	Mitsubishi Electric Europe B.V. French Branch 25 Boulevard des Bouvets, F-92741 Nanterre Cedex, France TEL: +33-1-5568-5568
South Africa	Circuit Breaker Industries LTD. Tripswitch Drive, Elandsfontein Gauteng, South Africa Tel : +27-11-928-2000
Hong Kong	Ryoden Automation Ltd. 10th Floor, Manulife Tower, 169 Electric Road, North Point, HongKong Tel : +852-2887-8870
China	Ryoden Automation Shanghai Ltd. 3F Block5 Building Automation Instrumentation Plaza 103 Cao Bao Rd. Shanghai 200233 China Tel : +86-21-6120-0808
Taiwan	Setsoyo Enterprise Co., Ltd. 6F., No.105 Wu-Kung 3rd.RD, Wu-Ku Hsiang, Taipei Hsine, Taiwan Tel : +886-2-2299-2499
Korea	HAN NEUNG TECHNO CO.,LTD. 1F Dong Seo Game Channel Bldg.,660-11, Deungchon-dong Kangseck-ku, Seoul, Korea Tel : +82-2-3660-9552
Singapore	Mitsubishi Electric Asia Pte. Ltd. 307 Alexandra Road #05-01/02, Mitsubishi Electric Building Singapore 159943 Tel : +65-6473-2308
Thailand	F. A. Tech Co., Ltd. 898/28,29,30 S.V.City Building,Office Tower 2, Floor 17-18 Rama 3 Road, Bangkokpang, Yannawa, Bangkok 10120 Tel : +66-2-682-6522
Indonesia	P.T. Autoteknindo SUMBER MAKMUR Jl. Muara Karang Selatan Blok a Utara No.1 Kav. No.11 Kawasan IndustriPergudangan Jakarta - Utara 14440 Tel : +62-21-663-0833
India	Messung Systems Put.Ltd. Electronic Sadan NO:111 Unit No15, M.I.D.C BHOSARI, PUNE-411026, India Tel : +91-20-712-2807
Australia	Mitsubishi Electric Australia Pty. Ltd. 348 Victoria Road, PostalBag, No 2, Rydalmere, N.S.W 2116, Australia Tel : +61-2-9684-7777

MITSUBISHI ELECTRIC CORPORATION
HEAD OFFICE : 1-8-12, OFFICE TOWER 2 14F HARUMI CHUO-KU 104-6212 JAPAN
NAGOYA WORKS : 1-14, YADA-MINAMI 5-CHOME, HIGASHI-KU, NAGOYA, JAPAN

When exported from Japan, this manual does not require application to the Ministry of Economy, Trade and Industry for service transaction permission.

Specifications subject to change without notice.
Printed in Japan on recycled paper.