

MITSUBISHI

A8GT-70PRF

Printer interface module

Mitsubishi Graphic Operation Terminal User's Manual

Thank you for choosing the Mitsubishi General Purpose PC Graphic Operation Terminal 800 series. To ensure correct use of this equipment, please read this manual carefully before operating it.



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IB(NA)-66706-A (9608) MEE

Related Manuals

The following manuals are available for this equipment. Refer to the table given below to choose suitable manuals.

Related Manual

Manual Name	Manual No. (Type Code)
SW2NIW-A8GOTP Graphic Settings Software Package Operating Manual (Monitor Screen Creation Manual)	IB-66681 (13J902)
Model A870GOT Graphic Operation Terminal User's Manual (Packaged with the A870GOT)	IB-66628 (13J830)

Model Name	A8GT-70PRF-U-E
Model Name Code	13J867

● Precautions Regarding Safety ●

(Please read carefully before using your equipment)

When using this product, please read the manuals that are supplied with each of the products, as well as any related manuals available as supplementary manuals. Make sure careful attention is paid to safety, and that the equipment is handled correctly.

These precaution items only apply to this product. For information regarding safety information for the PC system and Graphics Operation Terminal, please refer to the user's manual for each module.

In this manual, safety precautions concerning more hazardous items are labeled "DANGER", and those concerning more general safety items are labeled "CAUTION".

⚠ DANGER : Improper handling could cause hazardous conditions resulting in severe injury or death.

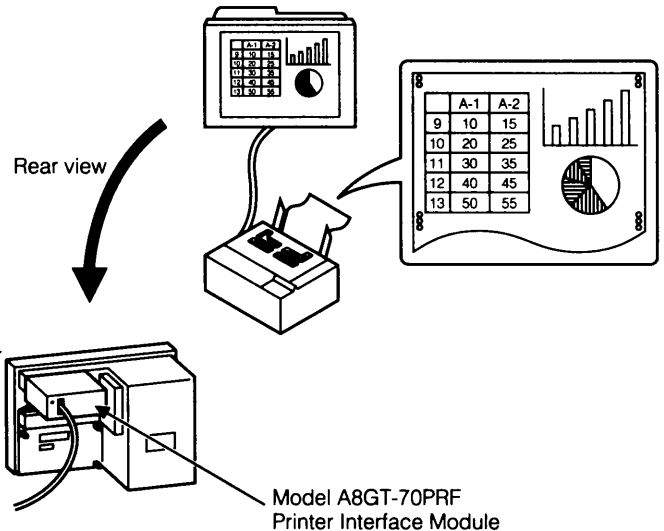
⚠ CAUTION : Improper handling could cause hazardous conditions resulting in moderate or light injury, or in physical damage.

Items marked with an exclamation point in a triangle **⚠** could also cause severe consequences, depending on the circumstances, if not handled properly. They indicate information that should be taken seriously and observed conscientiously.

Manuals supplied with the products should be stored carefully where they can be accessed whenever necessary, and should always be passed on to the end user along with the equipment.

1. Overview

This manual explains the parallel interface specifications and installation method, etc., for the Model A8GT-70PRF Printer Interface Module (hereafter 70PRF).



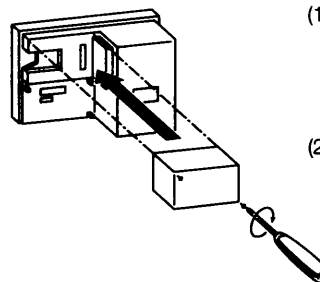
For details regarding the printout functions refer to the SW2NIW-A8GOTP Operating Manual (Monitor Screen Creation Edition).

2. Parallel Interface Specifications

Item	Specifications																																																																																					
Compliance standards	Complies with Centronics (Refer to the following for data and control signal timing.)																																																																																					
Insulation method	Photocoupler insulation																																																																																					
Signal level	Input $V_{IH} = 2V$, $V_{IL} = 0.8V$																																																																																					
	Output $V_{OH} = 2.4V$, $V_{OL} = 0.5V$																																																																																					
Maximum cable length	10220L-52A2JL (Made by Sumitomo-3M)																																																																																					
Timing chart	<p>DATA1-8 (Transmission side → reception side)</p> <p>STROBE (Transmission side → reception side)</p> <p>BUSY (Transmission side → reception side)</p> <p>ACKNLG (Transmission side → reception side)</p> <p>Note 1: ① Minimum 1.0 microseconds ② Minimum 1.0 microseconds, maximum 500 microseconds</p> <p>Note 2: The STROBE is started up in the shutdown and becomes BUSY.</p>																																																																																					
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Connector used (model 70PRF)	Pin arrangement		<table border="1"> <thead> <tr> <th>No</th> <th>Signal name</th> <th>No</th> <th>Signal name</th> <th>No</th> <th>Signal name</th> <th>No</th> <th>Signal name</th> </tr> </thead> <tbody> <tr> <td>1A</td> <td>CHASS GND</td> <td>6A</td> <td>GND</td> <td>1B</td> <td>DATA8</td> <td>6B</td> <td>DATA3</td> </tr> <tr> <td>2A</td> <td>ACKNLG</td> <td>7A</td> <td>INIT</td> <td>2B</td> <td>DATA7</td> <td>7B</td> <td>DATA2</td> </tr> <tr> <td>3A</td> <td>DATA6</td> <td>8A</td> <td>DATA1</td> <td>3B</td> <td>PE</td> <td>8B</td> <td>GND</td> </tr> <tr> <td>4A</td> <td>DATA5</td> <td>9A</td> <td>STROBE</td> <td>4B</td> <td>SLCT</td> <td>9B</td> <td>ERROR</td> </tr> <tr> <td>5A</td> <td>DATA4</td> <td>10A</td> <td>BUSY</td> <td>5B</td> <td>GND</td> <td>10B</td> <td>GND</td> </tr> </tbody> </table>	No	Signal name	No	Signal name	No	Signal name	No	Signal name	1A	CHASS GND	6A	GND	1B	DATA8	6B	DATA3	2A	ACKNLG	7A	INIT	2B	DATA7	7B	DATA2	3A	DATA6	8A	DATA1	3B	PE	8B	GND	4A	DATA5	9A	STROBE	4B	SLCT	9B	ERROR	5A	DATA4	10A	BUSY	5B	GND	10B	GND																																			
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3. Handling and Installation Method

CAUTION
<ul style="list-style-type: none"> Use this module in the general specification environment prescribed in the GOT User's Manual. If this module is used outside of the general specification environment, electric shock, fire, malfunction or damage and degradation to the product could result. Turn the power off when removing a unit. Trying to remove the unit while the power is on could damage the unit or result in erroneous operation. When installing in the GOT module installation area, securely install the module with module fixing screws. If the module is not correctly installed it could malfunction, have problems, or fall off. Take precautions so that debris, such as sawdust or wiring debris, does not get inside the module. If such debris does get inside it could cause fire, trouble, or malfunction. Do not disassemble or modify the module. Doing so could cause trouble, malfunction, injury, or fire. Do not touch the module's printed wiring board or electronic components. Doing so could cause trouble in the module. The module is made of plastic so do not drop it or subject it to strong impacts. Doing so could cause trouble. Do not remove the module printed wiring boards from the case. Doing so could cause trouble. When discarding the product treat it as industrial waste.



(1) Insert the model 70PRF printer connector in the GOT top module connection interface.

(2) Correctly install and tighten the module fixing screws (2 screws). Tighten the screws to a tightening torque in the range of 36 to 48 N·cm (3.7 to 4.9kg·cm). When removing the module, remove it in the reverse order of installation after loosening the screws.

*1 The applications vary depending on the printer used, so refer to the instruction manual of the printer used.

Printers that can be used

The SEC/P24-J84 supporting printers can be used.

The printers for which Mitsubishi has confirmed operation are as follows.

Canon BJC-600J (color printer)

BJC-400J (color printer)

Epson VP-600 (dot matrix kanji printer)

MJ-800C (color printer)

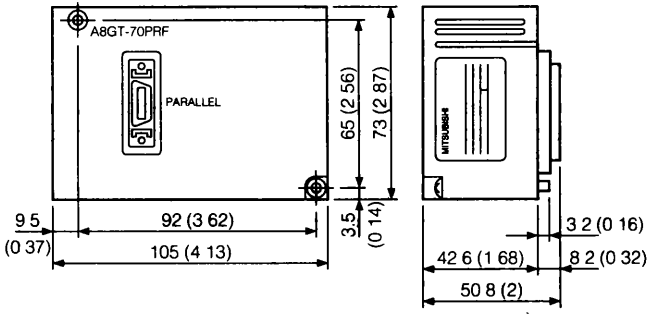
Cables that can be used

The printer cables that Mitsubishi has confirmed for use are as follows.

AC30PIO-20P

AC300PIO-20P

5. External dimensions



Unit : mm (inch)

The United States	Mitsubishi Electronics America, Inc. (Industrial Automation Division) 800 Biermann Court, Mt. Prospect, IL 60056 Phone (708)298-9223
Canada	Mitsubishi Electric Sales Canada, Inc. (Industrial Automation Division) 4299 14th Avenue, Markham, Ontario L3R 0J2 Phone (416)475-7728
United Kingdom	Mitsubishi Electric UK Ltd. (Industrial Sales Division) Travellers Lane, Hatfield, Herts, AL10 8XB Phone (0707)276100
Germany	Mitsubishi Electric Europe GmbH, (Industrial Automation Division) Gothaer Strasse 8, Postfach 1548, D-4030 Ratingen 1 Phone (02102)4860
Taiwan	Setsoyo Enterprise Co., Ltd. (106) 11th Fl., Chung-Ling Bldg., 363, Sec 2, Fu-Hsing S. Rd., Taipei, Taiwan R O C Phone (02)732-0161
Hongkong (& China)	Ryoden International Ltd., (Industrial & Electrical Controls Division) 10/F., Manulife Tower, 169 Electric Rd., North Point, Hong Kong Phone 8878870
Singapore (& Malaysia)	MELCO Sales Singapore Pte Ltd., (Industrial Division) 307 Alexandra Rd. #05-01/02, Mitsubishi Electric Bldg., Singapore 0315 Phone 4732308
Thailand	F. A. Tech Co Ltd. 1138/33-34 Rama 3 Rd., Yannawa, Bangkok 10120 Phone (02)295-2861-4
Australia	Mitsubishi Electric Australia Pty Ltd., (Industrial Controls Division) 348 Victoria Rd., Rydalmere, N.S.W. 2116 Phone (02)684-7200
Republic of South Africa	M.S.A. Manufacturing (Pty) Ltd., (Factory Automation Division) P.O. Box 39733, Bramley, Johannesburg 2018 Phone (011)444-8080

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Specifications subject to change without notice