MITSUBISHI

A8GT-50PRF
Printer Interface Module

Mitsubishi Graphic Operation Terminal
User's Manual

Thank you for choosing the Mitsubishi Graphic Operation Terminal 800 series for general purpose PC.

To ensure correct use of this equipment, please read this manual carefully before operating it.

GOT MELSEC

Model Name	A8GT-50PRF-U-E
Model Name Code	13J880

IB-66730-A (9612) MEE

● SAFETY PRECAUTIONS ●

(Read these precautions before using.)

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

These precautions apply only to Mitsubishi equipment. Refer to the CPU module user's manual for a description of the PC system safety precautions.

These ● SAFETY PRECAUTIONS ● classify the safety precautions into two categories: "DANGER" and "CAUTION".

⚠DANGER	**Procedures which may lead to a dangerous condition and cause death or serious injury if not carried out properly.**
⚠CAUTION	**Procedures which may lead to a dangerous condition and cause superficial to medium injury, or physical damage only, if not carried out properly.**

Depending on circumstances, procedures indicated by **⚠CAUTION** may also be linked to serious results.

In any case, it is important to follow the directions for usage.

Store this manual in a safe place so that you can take it out and read it whenever necessary. Always forward it to the end user.

[Handling precautions]

⚠ CAUTION

- Use this module in the environment given in the general specifications of the GOT User's Manual. Using the module outside the range of the general specifications may result in electric shock, fire, or erroneous operation or may damage or degrade the product.
- Do not directly touch the module's conductive parts or electronic components. Doing so could cause malfunction or trouble in the module.
- Be sure there are no foreign substances such as sawdust or wiring debris inside this module. Such debris could cause fires, damage, or erroneous operation.
- Do not disassemble or modify this module. Doing so could cause trouble, erroneous operation, injury, or fire.
- Do not remove the print board of the module from the case. It may cause product failure.
- When disposing of this product, treat it as industrial waste.

[Precautions when installing GOT]

⚠ CAUTION

- Tighten the fixing screws securely. If the fixing screws are loose the stand may fall, causing a GOT damage, product failure or operator injury.

[Precautions when connecting cable]

⚠ CAUTION

- When connecting the main module and GOT or printer, or removing the cable, turn off the power supply for GOT and the printer. If these operations are performed without turning off the power a product failure or malfunction may result.
- Install the connector of each cable securely to the installation area to prevent malfunctions caused by imperfect contact.

About the Manuals

The following product manuals are available. Please use this table as a reference to request the appropriate manual as necessary.

Manual Name	Manual No. (Model Code)
A850GOT Graphic Operation Terminal User's Manual	IB-66669 (13J847)
SW2NIW-A8GOTP Graphic Settings Software Package Operating Manual (Monitor Screen Creation Manual)	IB-66681 (13J902)
GOT Updated Function Supplemental Manual	IB-66744 (13J888)

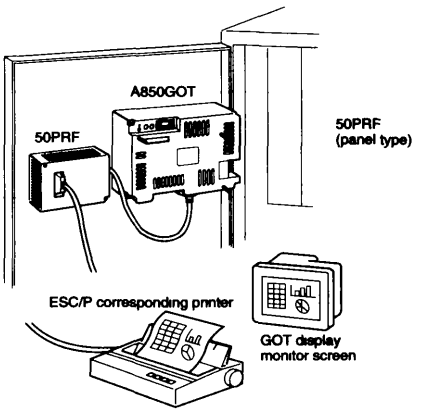
Table of Contents

1 Overview

This manual describes the specification and installation method of A8GT-50PRF printer interface module (abbreviated as 50PRF hereafter).

50PRF functions as the printout module for A850GOT (abbreviated as GOT hereafter).

GOT connection cable is included in this module.



Refer to SW2NIW-A8GOTP Operating Manual (Monitor Screen Creation Manual), GOT Updated Function Supplemental Manual for details of printout function.

1.1 Parts Shipped with the Package

Confirm the following are included in the package.

Item	Number of items
A8GT-50PRF	1
This manual	1

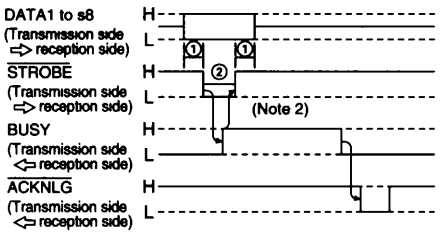
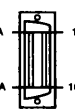
2 Specification

Refer to A850GOT User's Manual for general specification.

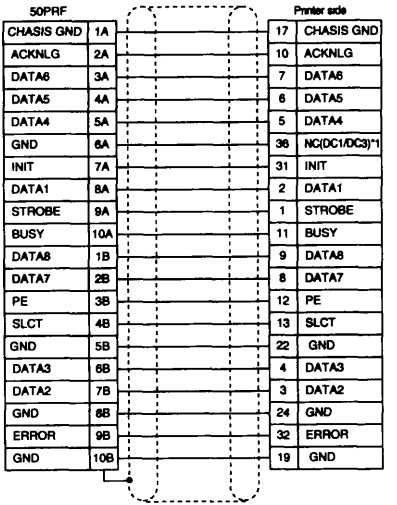
2.1 Performance Specification

Item	Specification
Interface	Parallel interface, 1 channel
Current consumption (24V)	150 mA
External dimensions	105 mm (W) x 73 mm (H) x 42.6 mm (D) (4.13 in. x 2.87 in. x 1.68 in.)
Weight	250 g (0.55 lb)

2.2 Parallel Interface Specification

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_{1H} = 2V,	V_{1L} = 0.8V
		Output	V_{0H} = 2.4V,	V_{0L} = 0.5V
Maximum cable length		30 m (98.43 ft.)		
Timing chart		 Note 1: ① Minimum 1.0 microseconds ② Minimum 1.0 microseconds, maximum 500 microseconds Note 2: The $\overline{\text{STROBE}}$ is started up in the shutdown and becomes BUSY.		
Connector used (model 50 PRF)	Model name	10220-52A2JL (Made by Sumitomo-3M)		
	Pin arrangement			

No	Signal name	No.	Signal name	No	Signal name	No	Signal name
1A	CHASIS 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

Item	Specifications
Connections	

*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 ESC/P24-J84 supporting printers can be used.

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

Canon	BJC-600J (color printer)
	BJC-400J (color printer)
Epson	VP-600 (dot matrix kanji printer)
	MJ-800C (color printer)

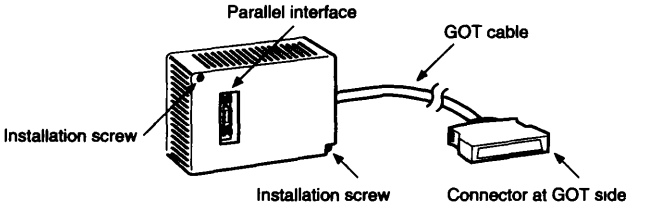
- Cables that can be used

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

  AC30PIO-20P

  AC300PIO-20P

3 Name of Each Part



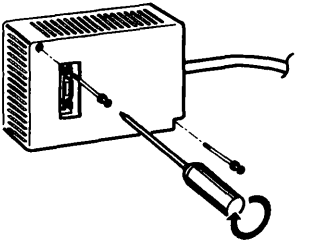
4 Installation and Connection with GOT

4.1 Installing 50PRF

1. Make screw halls to install 50PRF in the control panel, etc. (2-ø3.5 installation halls)
   The GOT cable of the 50PRF is 50 cm long. Make sure the installation position can be reached from the connector at GOT side, and connect securely. When installing 50PRF on the back of the control panel door, make sure the installation halls do not penetrate to the front side of the control panel.

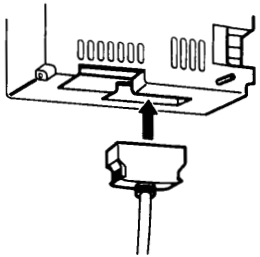
   Refer to the external dimensions for the positions of installation halls.

2. Tighten installation screws securely within the torque range 36 to 48 N·Cm (3.7 to 4.9 kg·cm).



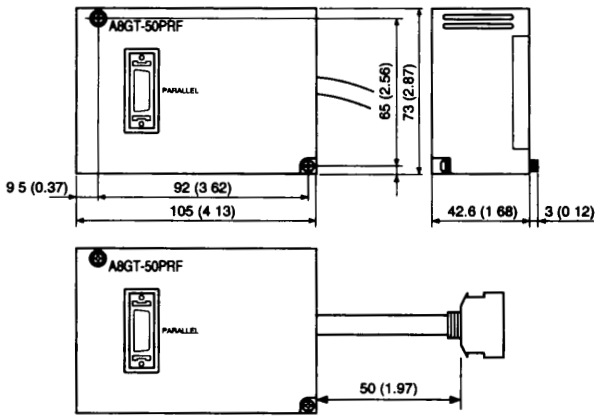
4.2 Connecting with GOT

1. Install the connector at GOT side to the connector in the bottom part of GOT.



2. Connect 50PRF and the printer with a cable.

5 External Dimension Diagram



Unit: mm (inch)

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