GT2506HS-VTBD

GT25 Handy GOT General Description

This manual describes the names, dimensions, mounting, and specifications of the GOT2560-HS-1457 series of general-purpose operation terminals (hereafter referred to as the "GOT").

PRECAUTIONS

- Be sure to read the precautions in this manual before using the GOT.
- Be sure to use and store the GOT in a location that will not exceed the temperature, humidity, or vibration limits specified in the GOT's specifications.
- Do not transport the GOT in any location other than a clean, dry environment.
- Be sure to use only the power supply and power cord specified in the GOT's specifications.
- Do not use the GOT in an environment where it will be exposed to direct sunlight, humidity, or dust.
- Do not use the GOT in an environment with oil or chemicals. Doing so may cause damage to the GOT.
- Be sure to use only the power supply, the operation switch, and the emergency stop switch specified in the GOT's specifications.
- Do not disassemble or modify the GOT. Doing so can cause a failure, malfunction, injury, or fire.

Certification of UL, cUL, and TUV standards

This product is designed and manufactured in accordance with UL, cUL, and TUV standards. Please read the User’s Manual for details of the testing and conformity, and be sure to use this product only in accordance with the instructions provided.

Compliance with EMC directive (CE Marking)

This product conforms to the European Union’s EMC Directives, which require compliance with the following standards: EN 55022 (EMC), EN 50081-1 (EMC), and EN 50178 (EMC). This product is designed for use in industrial applications.

Notes for compliance with EMC regulation

This product has been designed to comply with the EMC Directive 2004/108/EC, which requires compliance with the following standards: EN 55022 (EMC), EN 50081-1 (EMC), and EN 50178 (EMC). This product is designed for use in industrial applications.

General notes on power supply

Before connecting the power supply to the GOT, be sure to check the specifications of the power supply and the power cord. Be sure to use only the power supply, the operation switch, and the emergency stop switch specified in the GOT's specifications.

Environmental protection

This product is designed to be environmental friendly. Be sure to use only the power supply, the operation switch, and the emergency stop switch specified in the GOT's specifications.

Precautions for the data storage in USB memory

When using a USB memory to store data, be sure to use only the USB memory specified in the GOT's specifications. When the data stored in the USB memory is lost, there may be a risk of failure or a failure of the system.

Precautions for remote control

When using a remote control, be sure to use only the remote control specified in the GOT's specifications. If multiple remote controls are used, there may be a risk of failure or a failure of the system.

For more details, please refer to the User’s Manual for the GOT2560-HS-1457 series of general-purpose operation terminals.
GT2506HS-VTBD
GT25 Handy GOT General Description

This manual describes the part names, dimensions, mounting, and specifications of the GT25 Handy GOT. It helps to ensure proper handling and operating the product. Make sure to review the manual before use. This manual should be kept in a safe place so that you can take it out when needed.

- This product is designed for use in industrial applications.
- The drawing software used is EXCLUSIVE for the detailed manual.
- Please refer to the MITSUBISHI ELECTRIC FA Global Website (https://www.mitsubishielectric.com) for the detailed manual.

Table of Contents

1. Part Name

1.1 Front Panel

1.2 Back Panel

1.3 Top Face (Interface)

1.4 Bottom face (Connector)

1.5 Bottom face (Design of the GOT)

2. Name and Specifications

3. WIRING PRECAUTIONS

4. MOUNTING PRECAUTIONS

5. STARTUP/MAINTENANCE

6. TEST OPERATION

7. CUSTOMER SERVICE

8. NAMES AND ADDRESSES OF OUR SUBSIDIARIES

9. CERTIFICATION OF UL, cUL standards

10. General notes on power supply

11. Compliance with EMC directive (CE Marking)

12. Notes for compliance to EMC regulation

13. Use of the GOT in an environment exposed to plasma or ultrasound

14. Software program and drive program

15. Documentation


17. TECHNICAL SPECIFICATIONS

18. TECHNICAL DRAWINGS

19. PART LISTS

20. ACCESSORIES

21. TECHNICAL SPECIFICATIONS of the GT25 HANDY GOT

22. TECHNICAL DRAWINGS of the GT25 HANDY GOT

23. PART LISTS of the GT25 HANDY GOT

24. ACCESSORIES of the GT25 HANDY GOT

- The drawing software used is EXCLUSIVE for the detailed manual.
- Please refer to the MITSUBISHI ELECTRIC FA Global Website (https://www.mitsubishielectric.com) for the detailed manual.

Use of the GOT in an environment exposed to plasma or ultrasound

When using the GOT in an environment exposed to plasma or ultrasound, the General notes on power supply or the documentation should be read thoroughly. A system where the GOT is used should be designed and built in accordance with the contents of this note. If not, any fault or damage caused by the system may result in the GOT malfunction or deterioration.

Exposure to plasma or ultrasound may cause malfunction or deterioration of the GOT. A system where the GOT is used should be designed and built in accordance with the contents of this note. If not, any fault or damage caused by the system may result in the GOT malfunction or deterioration.
### 2. Specifications

#### 2.1 General Specifications

<table>
<thead>
<tr>
<th>Item</th>
<th>Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Temperature 1</td>
<td>0°C to 50°C</td>
</tr>
<tr>
<td>Operating altitude</td>
<td>2000 m or less</td>
</tr>
<tr>
<td>Weight</td>
<td>1.2(2.6) kg (GT25 Handy main unit only)</td>
</tr>
<tr>
<td>Insulation resistance</td>
<td>500V DC across power supply terminals and earth, 10 MΩ</td>
</tr>
<tr>
<td>Power supply voltage</td>
<td>24V DC (+10% -15%)</td>
</tr>
<tr>
<td>Permissible instantaneous power failure time</td>
<td>5ms or less</td>
</tr>
<tr>
<td>Noise immunity</td>
<td>Noise voltage: 1000Vp-p, noise width: 1µs</td>
</tr>
<tr>
<td>Display size</td>
<td>132.5(5.22) (W) × 99.4(3.91) (H) mm (inch)</td>
</tr>
<tr>
<td>Backlight life</td>
<td>Approximately 40000 hours (Operating ambient temperature: 25°C, display intensity: 50%)</td>
</tr>
<tr>
<td>Brightness</td>
<td>0.8cd/m2</td>
</tr>
<tr>
<td>Number of characters</td>
<td>16 × 16 dots or larger</td>
</tr>
<tr>
<td>Display section</td>
<td>12-dot standard font: 53 characters × 40 lines (two-byte characters)</td>
</tr>
<tr>
<td>Resolution</td>
<td>640(25.2) (W) × 480(18.9) (H) pixels</td>
</tr>
</tbody>
</table>

#### 2.2 Performance Specifications

<table>
<thead>
<tr>
<th>Item</th>
<th>Specifications</th>
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</thead>
<tbody>
<tr>
<td>Power consumption</td>
<td>2.2W (default screen display)</td>
</tr>
<tr>
<td>Memory capacity</td>
<td>User memory: Approx. 5 years (Ambient temperature: 25 °C)</td>
</tr>
<tr>
<td>Product name</td>
<td>GT2506HS-VTBD</td>
</tr>
<tr>
<td>Interface</td>
<td>Built-in interface: USB (Device) 1 channel (Top face) Ethernet 1 channel Data transfer method: 100BASE-TX, 10BASE-T</td>
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</tbody>
</table>
2. Specifications

2.1 General Specifications

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<td>Specifications</td>
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3.1 Daily Inspection

- It is recommended to replace the battery periodically.

3.2 Periodic Inspection

Yearly or half-yearly inspection items

- Visual check
- Battery replacement procedure

4. Precautions

4.1 Caution on Using Emergency Stop Switch

5. Warranty

Reference Manual: D60105S

This manual is for China only.

Note: This symbol mark is for China only.

The GOT does not include consumable items that will cause the battery life to decrease. However, the battery, LCD, and keypad have their lifespan expiration. It is recommended to replace the battery periodically, (e.g. after the replacement of the LCD, keypad, or after the factory default settings have been restored by soft reset or hardware reset).
GT25 Handy GOT General Description

**Specifications**

- **Input voltage:** 240V AC (220 to 240V AC, 50/60Hz) or 24V DC
- **Display:** 7.0 inch color LCD, 800x480 resolution, 65536 colors
- **Operating system:** Windows CE 5.0
- **CPU:** Intel Atom Z530 1.6GHz
- **Memory:** 512MB RAM, 4GB flash memory
- **Communication ports:** Ethernet (10/100Base-T), USB (USB 2.0 Host and Slave), RS-232C
- **Dimensions:** 174.5 x 174.5 x 38.6 mm
- **Weight:** 1.1 kg

**Remark**

- The display section of the GOT is an analog-resistive type touch panel.
- External cable (GT16H-C30-42P, GT16H-C60-42P, GT16H-C100-42P)
- The module is designed to be dustproof, splashproof, and shockproof.

**Safety Precautions**

- Before using this product, please read this manual and the relevant manuals carefully.
- Do not tamper with the unit.
- Do not use this product outdoors or in wet locations.
- Do not connect this product to a power supply exceeding the rated voltage.
- Do not use this product near a water source.

**Transportation Precautions**

- When transporting multiple units, make sure to keep them in separate cases or containers.
- Store the unit in a dry, dust-free environment.
- Avoid exposing the unit to extreme temperatures and humidity.

**Design Precautions**

- **WARNING:** To prevent damage to the unit, always use the specified screws and torque range.
- **CAUTION:** Do not use the GOT as a touch panel for any other purpose.

**Certification of UL, cUL standards**

- **UL 763**
- **cUL 2148**

**General notes on power supply**

- This equipment is supplied to be used in a system that conforms to UL/IEC 60950, UL/IEC 60950-1 and IEC 60950-1 standards.

**Reference**

- The GOT is certified in accordance with the following standard:
  - UL 60950
  - UL 60950-1
  - IEC 60950
  - IEC 60950-1

**Bundled Items**

- **GT25 Panel**
- **User Manual**
- **Software DVD**
- **USB Memory Card**
- **External Connection Cable**
- **USB Cable**
- **RS-232C Cable**
- **Ethernet Cable**
- **Power Supply**
- **External Connection Terminal**

**Compliance with CE directive (EMC) Regulation**

- This unit meets the requirements of the EMC directive for the European Union.

**Notification of CE marking**

- This product has been designed to conform to the essential requirements of the EMC directive for the European Union.

**Notes for compliance to EMC regulation**

- This product has been designed to maintain compliance with the EMC directive. When using this product, it is recommended to consult the relevant standards and guidelines provided by the European Union.

**1. Part Name**

- **Front Panel**
- **Display window**
- **Grip switch**
- **USB port**
- **RS-232C port**
- **Ethernet port**
- **Power switch**
- **SD card slot**
- **Back panel**
- **Supply port**

**2. Back Panel**

- **USB port**
- **RS-232C port**
- **Ethernet port**
- **Power port**

**3. PCBs**

- **CPU board**
- **Memory board**
- **Display board**
- **System board**

**4. Connections**

- **USB connection**
- **Ethernet connection**
- **RS-232C connection**
- **Power connection**

**5. Cables and Connectors**

- **USB cable**
- **Ethernet cable**
- **RS-232C cable**

**6. Options**

- **External memory card**
- **Power supply**

**7. Accessories**

- **User manual**
- **Software DVD**
- **External connection cable**

**8. Internals**

- **CPU**
- **Memory**
- **Display**

**9. Specifications**

- **Display resolution:** 800 x 480 pixels
- **Power supply:** 240V AC (220 to 240V AC, 50/60Hz) or 24V DC
- **Operating system:** Windows CE 5.0
- **CPU:** Intel Atom Z530 1.6GHz
- **Memory:** 512MB RAM, 4GB flash memory
- **Communication ports:** Ethernet (10/100Base-T), USB (USB 2.0 Host and Slave), RS-232C
- **Dimensions:** 174.5 x 174.5 x 38.6 mm
- **Weight:** 1.1 kg
2. Specifications

2.1 General Specifications

### 3.1 Daily Inspection

- It is recommended to replace the battery periodically. (For the replacement of the battery, refer to the following procedure.)

### 3.3 Battery Replacement

- The battery comes with the back cover and Li-ion battery. Please refer to the User's Manual of the GOT2000 series for details.

### 4.2 Precautions

- 1. When using the emergency stop switch in the handy G0T, judge the validity to use the emergency stop switch.

2. Before using the product for special purposes such as nuclear power, electric machinery, within the premises.

- 3. Usage status

- 4. Product name

- 5. Important

- 6. References

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**Note:** This symbol is for China only.

- *Contains hazardous substances.

- *Contains hazardous substances.

- *Contains hazardous substances.

### 2.2 Performance Specifications

- 1.2 Power supply voltage

- 1.3 Power consumption

- 1.4 Environmental specifications

- 1.5 Mechanical specifications

- 1.6 Electrical specifications

- 1.7 Interface specifications

- 1.8 Software specifications

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### 2.3 Power Supply Specifications

- 1. Input power supply voltage

- 2. Power consumption

- 3. Environmental specifications

- 4. Mechanical specifications

- 5. Electrical specifications

- 6. Interface specifications

- 7. Software specifications

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### 2.4 External Dimensions

- 1. Display module

- 2. Front unit module

- 3. Rear unit module

- 4. Power supply unit

- 5. Control panel

- 6. Interface module

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### 2.5 Specifications

- 1. Specifications

- 2. Specifications

- 3. Specifications

- 4. Specifications

- 5. Specifications

- 6. Specifications

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### 2.6 Specifications

- 1. Specifications

- 2. Specifications

- 3. Specifications

- 4. Specifications

- 5. Specifications

- 6. Specifications

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### 2.7 Specifications

- 1. Specifications

- 2. Specifications

- 3. Specifications

- 4. Specifications

- 5. Specifications

- 6. Specifications

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### 2.8 Specifications

- 1. Specifications

- 2. Specifications

- 3. Specifications

- 4. Specifications

- 5. Specifications

- 6. Specifications

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### 2.9 Specifications

- 1. Specifications

- 2. Specifications

- 3. Specifications

- 4. Specifications

- 5. Specifications

- 6. Specifications

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### 2.10 Specifications

- 1. Specifications

- 2. Specifications

- 3. Specifications

- 4. Specifications

- 5. Specifications

- 6. Specifications

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