

GUANGHSING INDUSTRIAL CO. LTD

User's Manual: GHK – M01

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User's Manual

Model: GHK – M01

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Packing List:

As you unpack your unit, check the packing material to ensure that you have found all of the proper cables and accessories. Save all of the shipping material in case you need it for transporting the unit in the future.

The monitor-keyboard comes completely assembled. You should find these items in your package

The complete GHK-M01 package consists of:

- One 1U 19" Rack mount console -- GHK-M01
- Two sets of L-Brackets for Rear Mounting (screws included)
- 2 x PS/2 Cables
- 1 x VGA Cable
- 1 Power Cord
- 1 User's Manual
- Keys for the key lock

Check to insure that the product was not damaged in shipping. If you encounter any problems, please contact your dealer or distributor.

Please read this manual thoroughly, and follow the installation and operation procedures carefully to prevent any damage to the device or any other devices connected to it

The information in this document is believed to be accurate. However, no responsibility is assumed for its use, nor for any infringements of patents or other rights of third parties which may result from its use. This information is subject to change without any notice.

Safety Guidelines:

Before you setup your monitor-keyboard drawer, it is important to follow certain basic safety precautions to prevent damage to the product and to ensure your own personal safety.

Handling the Drawer Assembly

The monitor-keyboard drawer is constructed of heavy gauge metal and can weigh up to 30lbs. To avoid injury during installation watch for edges and corners on the assembly.



To prevent the drawer from accidentally sliding out and cause bodily injury, the unit is shipped with a metal strap installed across the front bezel. It is recommended that you do not remove it until the unit is installed in the rack, or when the unit is set down on a level work area.

1. Please keep this User's Manual for later reference
2. Please disconnect this equipment from AC outlet before cleaning. Do not use liquid or sprayed detergent for cleaning. Use moisture sheet or clothe for cleaning
3. For pluggable equipment, the socket-outlet shall be installed near the equipment and shall be easily accessible
4. Please keep this equipment from humidity
5. Lay this equipment on a stable surface when installing. Dropping will cause damage to the internal components.
6. Do not leave this equipment in an environment above 40° C. This may damage the equipment.
7. Vents on the chassis are innately designed for thermal cooling. Do not block the openings.
8. Make certain the voltage requirements are according to the device requirements.
9. Please note all caution and warning labels on the equipment.
10. NEVER place/pour any liquid into the ventilation openings; this will cause a shortage, fire, and/or electrical shock.
11. Only qualified personnel should service this equipment.
12. Prying or any forceful entry into the equipment may void the warranty of the product.
13. Should any of the following situations arise, please consult a qualified personnel or your local distributor for assistance:
 - Damaged or frayed power cord.
 - Liquid penetrated into the equipment.
 - Equipment was exposed to moisture.
 - Equipment was exposed to excessive heat. (60°+ C)
 - Equipment was dropped or damaged.
 - If the equipment has obvious signs of breakage or tampering.

Power Connections

This monitor is shipped with a power cord compatible with the AC wall outlet in your region. Use the supplied power cord. Do not remove any of the covers over the power supply and LCD controller. High voltages are present. Only qualified, authorized electronics service personnel should access the electronics components.

Care for the LCD

The monitor is an active matrix LCD. Liquid crystal displays are made of glass which will break or crack if mishandled.

Ventilation

The ambient temperature within a densely filled rack cabinet may exceed that of the room temperature. It is important that nothing blocks the ventilation openings of the power supply.

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Chapter 1 General Information

1.1 Overview

GHK-M01 is a 1U 19" rackmount keyboard/monitor/mouse console. By using this device, you can save up to 10U height worth of space.

1.2 Features

- GHI – 01 is a 1U 19" rackmount drawer.
- 15" Active-Matrix LCD Flat Panel Display Color Monitor with OSD
- Compact design to enable the unit to be mounted to most cabinets.
- Industrial grade ultra-low-profile compact keyboard with integrated PS/2 trackball

1.3 Product Specification

TECHNICAL SPECIFICATIONS:	
<i>Model:</i>	GHK-M01
<i>Case Construction:</i>	Heavy Duty Cold Rolled Electroplated Steel or Aluminum
<i>Color:</i>	Black, Beige, or Custom Design (Aluminum)
<i>LCD Size:</i>	15" TFT display, 1024 x 768 resolution
<i>LCD Quality:</i>	Luminance (250 cd/m2)
<i>Keyboard:</i>	83/84-key Keyboard with integrated track ball mouse
<i>Trackball Mouse:</i>	2 Mouse buttons
<i>Power Connection:</i>	Input: 12V/48W , 100~240V Auto Ranging PSU
<i>Expansion Slot:</i>	5 Vertical Low Profile (Half Height)
<i>Key Lock:</i>	Yes
<i>Form Factor:</i>	1U
<i>Dimensions:</i>	(19" x 1.75" x 20.2") 483(W) x 44(H) x 520(D) mm
<i>Weight:</i>	29lbs/13 kg (approx.)
PRODUCT APPLICATIONS:	
<ul style="list-style-type: none"> - Connects easily to an external KVM In use with: <ul style="list-style-type: none"> - Cluster Servers - Blade Servers - Data Centers - Storage Servers - Assortment of server types 	

1.4 Hardware Requirements

The following equipment must be installed on each computer

- A VGA, SVGA or Multisync card.
- A 6-pin mini-DIN (PS/2), mouse port.
- A 6-pin mini-DIN (PS/2) keyboard port with +5V DC on pin 4 and Ground on pin

1.5 Mounting the unit to your cabinet

The unit is designed for mounting to standard 60cm, 75cm and 90cm (optional) cabinet. Please read the following steps to insure correct mounting of this unit.

1. Mount the “L brackets” to the cabinet loosely.
2. Mount the GHK-M01 in the cabinet by fastening the “L bracket” at the rear as indicated.
3. Then fasten the four screws in the front to secure the unit in the cabinet as indicated.

Chapter 2 15" LCD Flat Panel Matrix

2.1 Introduction

- LCD Panel: 15.1" TFT
- Input signal format: RGB analog video
- Frequency: FH

Chapter 3 MONITORS VIEW

3.1 MONITOR COMPONENTS



3.2 SIDE VIEW



3.3 CLOSED VIEW



3.4 FRONT VIEW

