GREE

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GREE INDUSTRIAL INTERNACTIVE TERMINAL

NEW OPTIONS BRING YOU A DIFFERENT USER EXPERIENCE

Based on the autonomous system, Gree industrial interactive terminal can be connected with PLC and inverter etc. for data displaying and monitoring. It has become the first choice for interactive control with good compatibility and high cost performance.

Currently, the products offer GIE-TM series, GIE-TL series and GIE-AX series, covering different specifications of industrial touch screen and terminal products of smart box.

GIE-TM
series 7"&12"

Power interface

USB interface
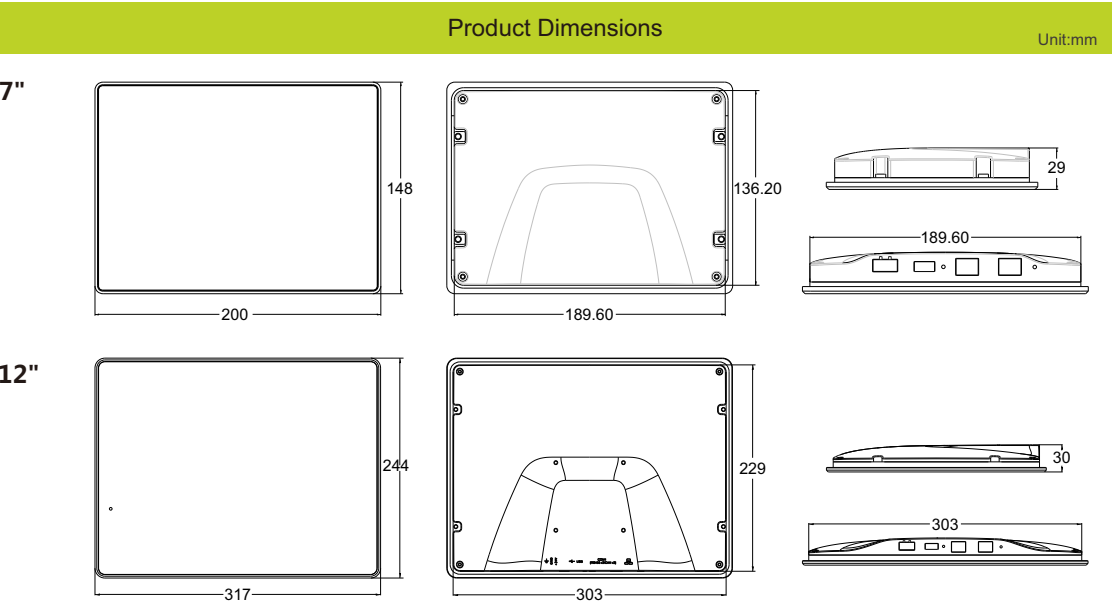
Double RS485 interface

Network interface

Gree has designed the capacitive touch screen GIE-TM series to satisfy the individualized demands of customers, which is more efficient and more powerful than the GIE-TL series, giving users a better experience.

Powerful performance: equipped with Cortex A8 800MHz CPU, 4GB Flash, 512 MB RAM, adopting self-developed operating system - Gree GIE / OS with higher reliability.

Ultra-thin body: ultimate aesthetic design, ultra-thin of 30mm, with light and thin texture.

Aluminum alloy material: new HMI aluminum alloy technology, with five-sides waterproof.

High resolution: GIE-TM high-end series of 12-inch is equipped with 1024*768 high-resolution LCD , with a wider viewing angle (T: 60°/B: 60°/L: 70°/: 70°).

Better experience: reliable capacitive touch.

Rapid development: with powerful Gree HMI configuration software to meet your simple and rapid development needs.

Communication interface: support RS485, Ethernet, CAN and other industrial communication methods.

Full compatibility: the hole size and connector are fully compatible with GIE-TL series.

Flexible installation: support for embedded and cantilever mounting(For GTM120).

Product Specification

Specification	Model	GTM120	GIE-TM070
Display	Display size	12.1" TFT	7" TFT
	Resolution	1024*768	1024*600
	Backlight type	LED	LED
	Backlight life(H)	50000	50000
	Display color	16.2M	16.2M
Touch	Touch panel	Capacitive touch	Capacitive touch
Memory	Flash	4GB	4GB
	RAM(MB)	256MB*2	256MB*2
I/O port	USB Host	YES (2.0)	YES (2.0)
	CAN	YES	YES
	Ethernet	10/100 Base - T	10/100 Base - T
	Serial interface	RS485*2	RS485*2
Clock	Internal RTC	YES	YES
Power supply	Input voltage	24±20% VDC	24±20% VDC
Environmental specification	Operating Temp.(℃)	0~50	0~50
	Relative humidity	5-90%(Without condensation)	5-90%(Without condensation)
	Hole size (mm)	W305mm*H231mm	W192mm*H138 mm

Product Dimensions
Unit:mm

7"

148

200

136.20

189.60

29

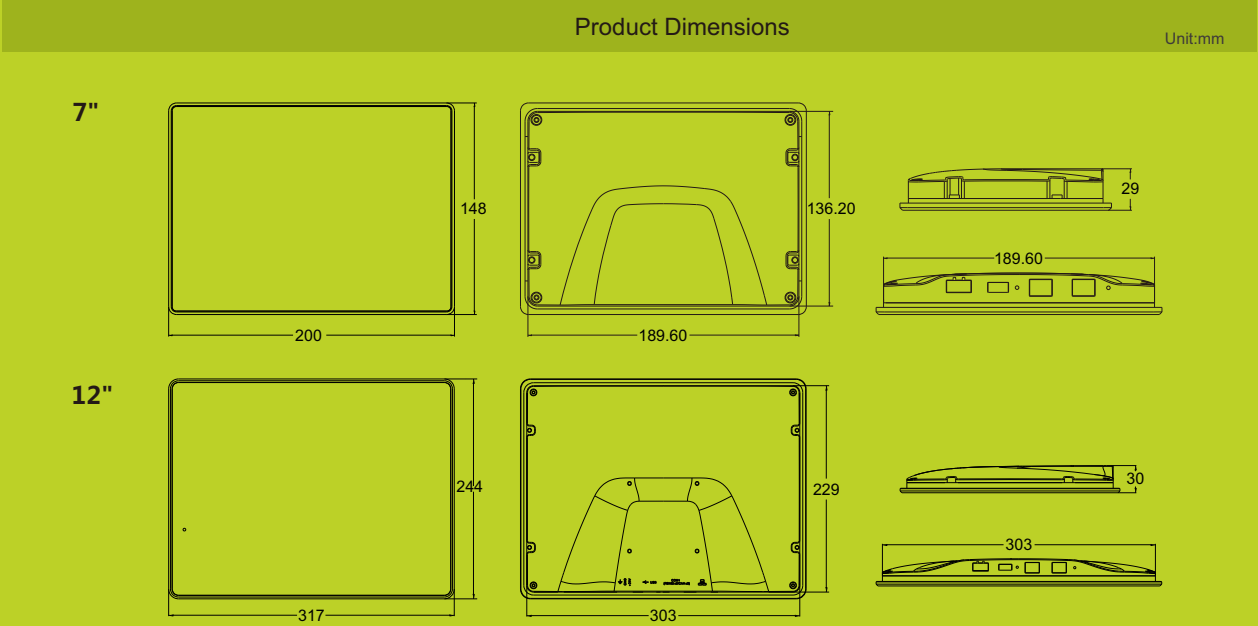189.60

12"

244

317

229

303

30

303

3

4

GIE-TL
series 7"&12"

- With the powerful Gree HMI configuration software to meet your simple and rapid development needs.
- Self-developed operating reliable system - Gree GIE / OS.
- Download the program through Ethernet port, realize quick update by USB interface.
- Provide users with 7-inch, 12-inch resistive touch screen to meet individual needs.

Product Specification			
Specification	**Model**	**GIE-TL120**	**GIE-TL070**
Display	Display size	12" TFT	7" TFT
	Resolution	1024*768	800*480
	Backlight type	LED	LED
	Backlight life(H)	50000	30000
	Display color	16.2M	16.2M
Touch	Touch panel	Capacitive touch	Capacitive touch
Memory	Flash	4GB	1GB
	RAM(MB)	256MB*2	512MB*1
I/O port	USB Host	YES (2.0)	YES (2.0)
	CAN	10/100 Base - T	10/100 Base - T
	Ethernet	YES	NO
	Serial interface	RS485*2	RS485*2
Clock	Internal RTC	YES	YES
Power supply	Input voltage	24±20% VDC	24±20% VDC
Environmental specification	Operating Temp.(℃)	0~50	0~50
	Relative humidity	5-90%(Without condensation)	5-90%(Without condensation)
	Hole size (mm)	W305mm*H231mm	W192mm*H138 mm

7"

148   200   136.20   189.60   189.60   29

12"

244   317   229   303   303   30

SOFTWARE

Rapid development, zero-based design
Even if the users do not have professional programming basics, they can quickly master the development methods of application software to develop or modify the applications on the spot, as well as use the configuration software to connect the lower communication equipment like PLC, inverter etc. according to the actual situation of different projects.

Power communication network
Support multi-target platform output and various PLC communication protocols, with remote monitoring and control abilities.

Powerful scripting
With programmable command language, users can write programs according to their own needs, enhancing the graphical interface expansion.

Simulation function
Provide powerful simulation function to achieve a friendly design pattern and shorten development cycles.

Abundant function modules
Meet the requirements of users on TT&C and on site by providing a rich library of control functions. Meanwhile, take full advantages of different function modules to achieve real-time monitoring, generate function reports, display history and actual-time curves, warning& alarm etc., creating a good human-machine interface for the system.

Powerful database
Equipped with a real-time database to store various data such as analog quantity, discrete quantity, character, etc., achieving data exchange with external devices.

Careful system security
Different operating rights are assigned to different operators to ensure safe and reliable operation of the entire system.

Powerful architecture navigation
The overall process of the program can be viewed through the architecture navigation, making it easy for users to find corresponding components.

GIE-A
series Mobile Terminal of Smart Box

Mobile terminal of smart box is a lightweight and intelligent interactive platform that adopts the mode of micro-host+ to meet the flexible demands of user conference projection, lightweight office and large screen splicing display. It supports video, audio playback, browser access, remote control, document editing& viewing etc.

HDMI

• Support video, audio playback, browser access, remote control, document editing& viewing etc.

High resolution
1080P full HD resolution, adaptive to various sizes of displays.

Connector
HDMI interface can transmit audio and high-resolution video signals at the same time, guarantee high-quality audio& video signal transmission, support wireless device access.
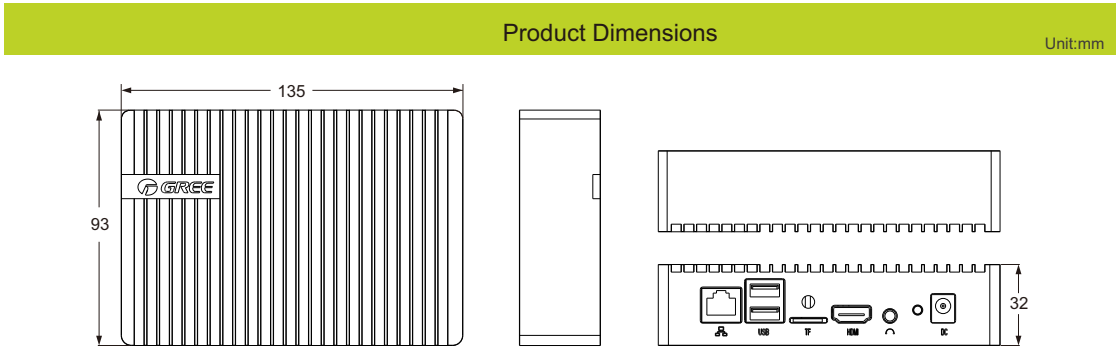
Large storage space
Equipped with 512MB*4 DDR3 RAM and 16GB flash memory.

Ip65
All models meet industrial reliability requirements and can be used at 0~50℃.

Product Specification		
规格	Model	GIE-A1
Display	Resolution	1080P
	Display dimension	Adaptive display dimension
	Connection type	HDMI
Touch	Flash	16GB
	RAM(MB)	512MB*4 DDR3
Memory	USB Host	YES (2.0)*2
I/O port	Ethernet	10/100/1000 Base - T
	Wireless communication	Support wireless device access
	HDMI	YES
	Audio	YES
	Internal RTC	YES
Clock	Input voltage	12VDC
Power supply	Operating Temp.(℃)	0~50
Environmental specification	Relative humidity	5-90%(Without condensation)
	Panel IP grade	IP65

Product Dimensions	Unit:mm

135

93

32

QUALITY AND SERVICE

Gree Industrial Interactive series products undergo strict reliability test before leaving the factory, the relevant performance meets or exceeds the national standard requirements to ensure product quality.

Except the complete quality management system, the product also provides professional FAE protection, end-to-end response, and one-stop service from selection, application R&D to after-sales protection, freeing the customers from extra worries.

Gree has created a series of industrial display interactive products based on the design concept of pursuing the ultimate appearance and excellent operating experience. According to different applications and different customer demands, FAE team provides professional and targeted application software reference modules such as the unit control of industrial equipment, the assembly line control at the production site, the overall control of the smart home, and overall monitoring inside the building etc., to greatly realize the rapid deployment of customers and the max application value.

APPLICATION FIELD

Production Site/Industrial Equipment/ Energy Management/Central Air Conditioner

• Real-time monitoring of operation
• Memory storage of operating data
• Real-time monitoring of machine operating status
• Real-time monitoring of information, convenient data export
• Support USB wireless device access for wireless connection
• Excellent USB device access
• Automatic mounting upgrade of U Disk