

GMTCNT

INDUSTRIAL AUTOMATION PRODUCTS



gmtcontrol.com



Total Solutions in Industry

GMT, in addition to its PLCs and Compact PLCs equipped with 100% production and design technology, offers a complete solution with HMI (Operator Panels), AC inverters, Servo Systems, Stepper Motors and Drivers, Industrial Robots, as well as products capable of serial communication and RF operation for the service of the industry.





GMT ENDÜSTRİYEL ELEKTRONİK SAN. VE TİC. LTD. ŞTİ.

GMT Electronics is a technology company established in 2014 by a group of engineers engaged in automation R&D for more than 30 years.

GMT aims to increase the efficiency and competitiveness of its customers by offering quality and cost effective products.

GMT Electronics offers total solutions with its six product families under its brand GMTCNT : PLC, HMI, AC Drive, Servo Systems, Stepper and industrial communication products.

GMT products are widely used in different sectors. Our products aid several machine manufacturers in different applications such as filling packaging, pressing, cutting, extruder, textile, etc. They are also commonly used in factory automation for data acquisition and remote monitoring.

Our products have proved themselves in many different places in the sector with their performance and quality.

GMT will always continue to invest in innovation and offer cost effective, easy and quick solutions.



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PLC – CPU & EXPANSION MODULES

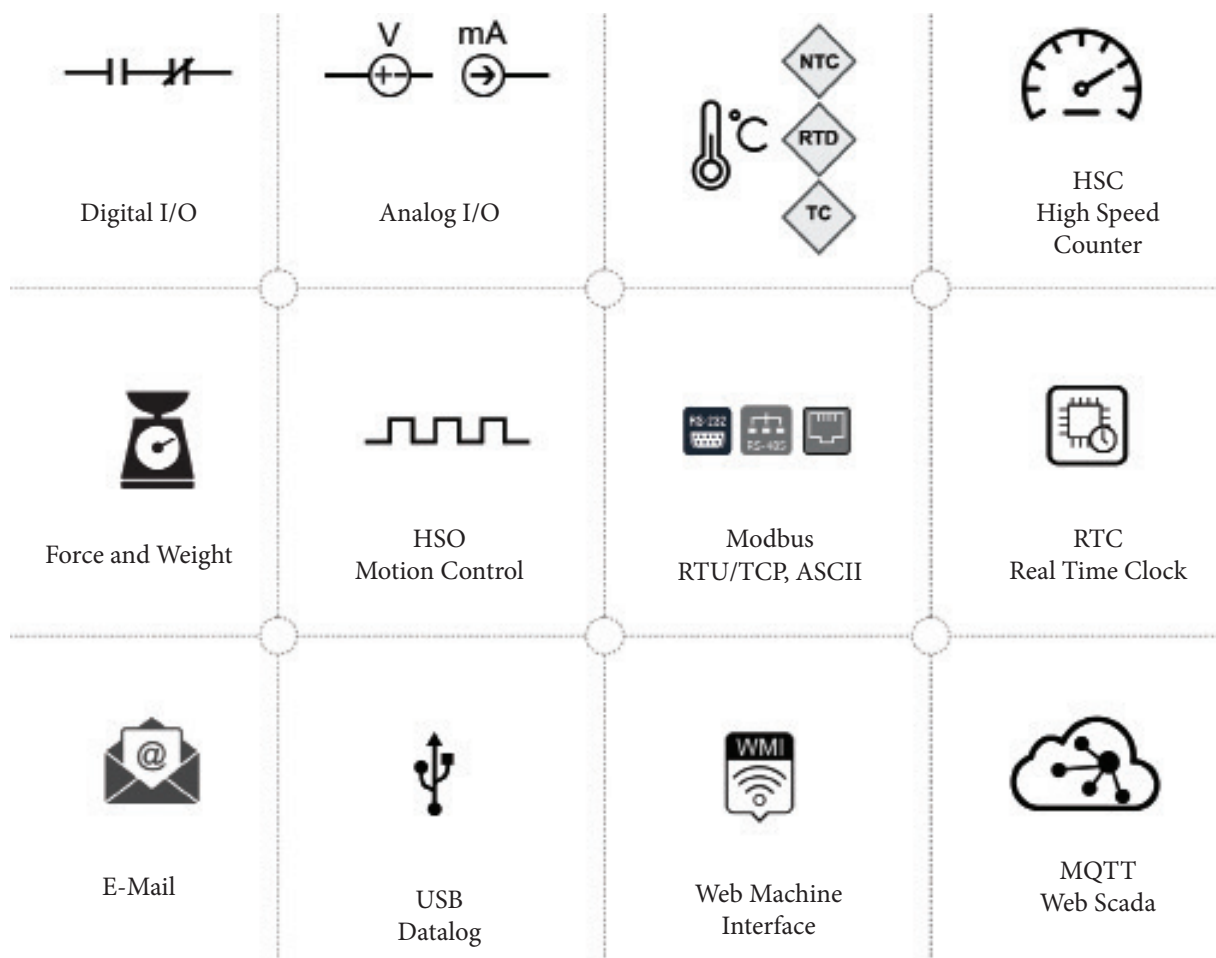


GMT CNT PLC family is developed to meet easy, economic and smart solutions for small and medium sized applications.

Digital, analog, temperature and loadcell modules provide users with a wide range of applications such as packing, textile, food, filling, wood, etc.

All analog, temperature and digital modules are designed with isolated components to keep PLC system stable against any interference.

GMT CNT PLCs are generally used to control machines. Built-in Ethernet port offers economical and easy solutions for process automation, SCADA and IoT applications.



PLC – CPU & EXPANSION MODULES

TOTAL MACHINE
CONTROL SOLUTIONS

LOGIC OPERATION

TEMPERATURE MEASUREMENT

LOADCELL MEASUREMENT

ANALOG OUTPUT

ANALOG MEASUREMENT

MOTION CONTROL



GMT CNT

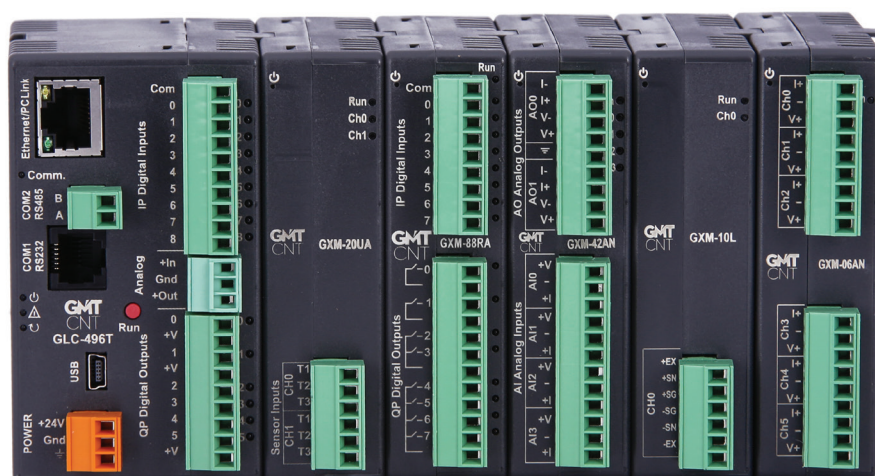
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CPU MODULES



MODEL DESCRIPTION

CPU MODULES	GLC-196R	<ul style="list-style-type: none"> • 9 Digital inputs (PNP/NPN), 6 Relay outputs, RS485, RS232, 3 Ch. High Speed Counter 20kHz
	GLC-196T	<ul style="list-style-type: none"> • 9 Digital inputs (PNP/NPN), 6 Transistor outputs (PNP), RS485, RS232 • 3 Ch. High Speed Counter 20kHz • 3 Ch. High Speed Pulse outputs Max. 20kHz
	GLC-296R	<ul style="list-style-type: none"> • 9 Digital inputs (PNP/NPN), 6 Relay outputs, 1 Ch. Analog input, 1 Ch. Analog output • 3 Ch. High Speed Counter 50kHz, RS485, RS232
	GLC-296T	<ul style="list-style-type: none"> • 9 Digital inputs (PNP/NPN), 6 Transistor outputs (PNP), 1 Ch. Analog input, 1 Ch. Analog output, RS485, RS232 • 3 Ch. High Speed Pulse outputs Max. 100kHz • 3 Ch. High Speed Counter 50kHz
	GLC-396R	<ul style="list-style-type: none"> • 9 Digital inputs (PNP/NPN), 6 Relay outputs, 1 Ch. Analog input, 1 Ch. Analog output, RTC, WMI • 3 Ch. High Speed Counter 50kHz, RS485, RS232
	GLC-396T	<ul style="list-style-type: none"> • 9 Digital inputs (PNP/NPN), 6 Transistor outputs (PNP), 1 Ch. Analog input, 1 Ch. Analog output, RTC, WMI, RS485, RS232 • 3 Ch. High Speed Pulse outputs Max. 100kHz • 3 Ch. High Speed Counter 50kHz
	GLC-496R	<ul style="list-style-type: none"> • 9 Digital inputs (PNP), 6 Relay outputs, 1 Ch. Analog input, 1 Ch. Analog output, RTC, WMI, GMT SCADA • 3 Ch. High Speed Counter 200kHz, RS485, RS232
	GLC-496T	<ul style="list-style-type: none"> • 9 Digital inputs (PNP), 6 Transistor outputs (PNP), 1 Ch. Analog input, 1 Ch. Analog output, RTC, WMI, GMT SCADA, RS485, RS232 • 3 Ch. High Speed Counter 200kHz • 3 Ch. High Speed Pulse outputs max. 400kHz



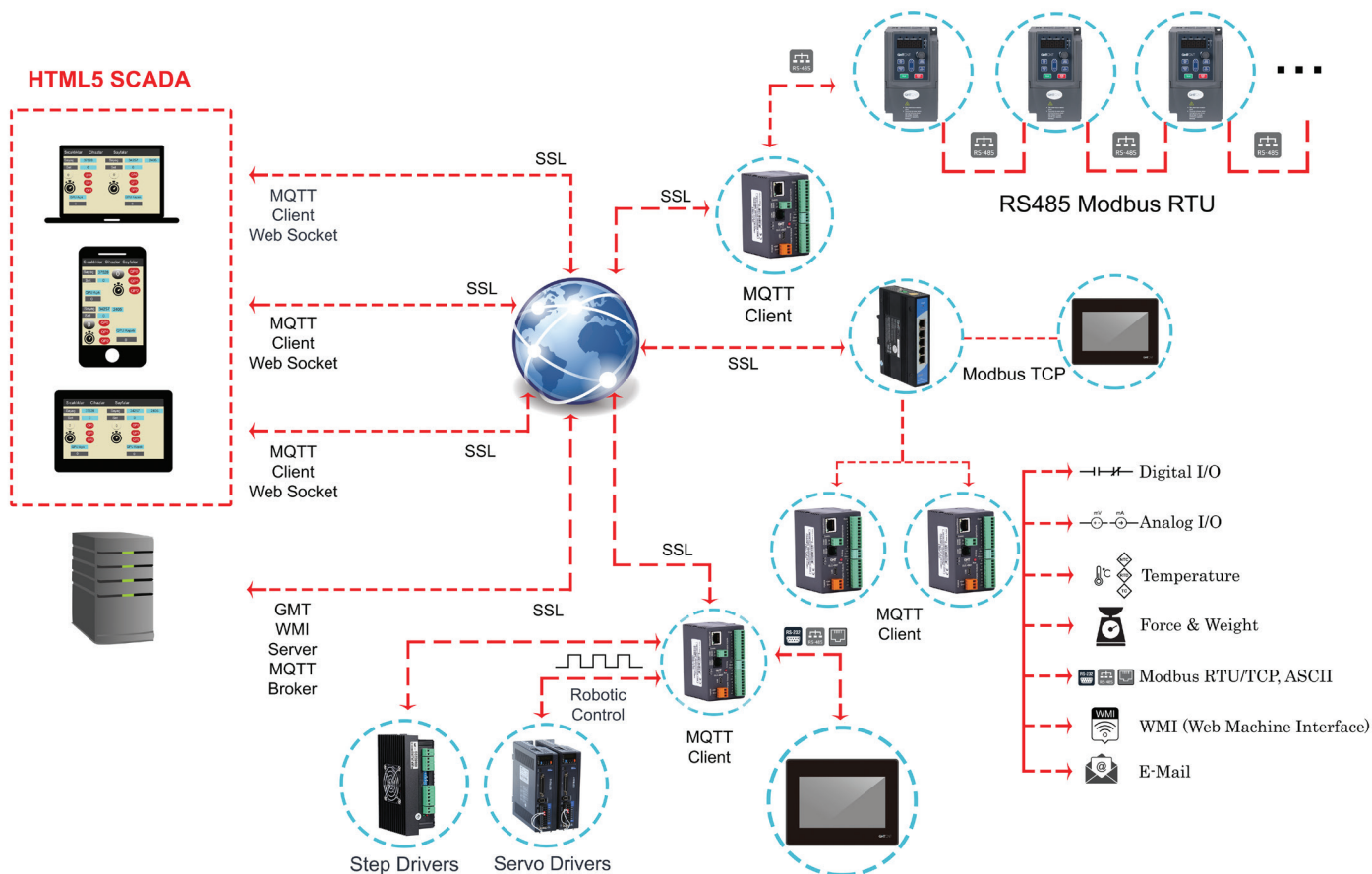
EXPANSION MODULES



MODEL

DESCRIPTION

EXPANSION MODULES	GXM-44RA	• 4 Ch. 24 VDC Digital inputs (PNP/NPN), 4 Ch. Relay outputs
	GXM-80IA	• 8 Ch. 24 VDC Digital inputs (PNP/NPN)
	GXM-08TA	• 8 Ch. 24 VDC 300 mA Transistor outputs (PNP)
	GXM-88RA	• 8 Ch. 24 VDC Digital inputs (PNP/NPN), 8 Ch. Relay outputs
	GXM-88TA	• 8 Ch. 24 VDC Digital inputs (PNP/NPN), 8 Ch. 24 VDC 300 mA Transistor outputs (PNP)
	GXM-16IA	• 16 Ch. 24 VDC Digital inputs (PNP/NPN)
	GXM-16TA	• 16 Ch. 24 VDC 300 mA Transistor outputs (PNP)
	GXM-40AN	• 4 Ch. 0-10 VDC, 0-20mA, 4-20mA Analog inputs (14 bit Resolution)
	GXM-42AN	• 4 Ch. 0-10 VDC, 0-20mA, 4-20mA Analog inputs (14 bit Resolution) • 2 Ch. 0-10 VDC, 0-20mA, 4-20mA Analog outputs (14 bit Resolution)
	GXM-02AN	• 2 Ch. 0-10 VDC, 0-20mA, 4-20mA Analog outputs (14 bit Resolution)
	GXM-06AN	• 6 Ch. 0-10 VDC, 0-20mA, 4-20mA Analog outputs (14 bit Resolution)
	GXM-20L	• 2 Ch. Loadcell inputs (24bit Resolution)
	GXM-20LF	• 2 Ch. Loadcell inputs (24bit Resolution) (Customized Filter)
	GXM-10L	• 1 Ch. Loadcell input (24bit Resolution)
	GXM-10LF	• 1 Ch. Loadcell input (24bit Resolution) (Customized Filter)
	GXM-40UA	• 4 Ch. Universal Temperature Module • Thermocouple (B,E,J,K,N,R,S,T) • PT-100, PT-1000, NTC (10k@25C) • 0-60 mVDC • 0-20 Ohm
	GXM-20UA	• 2 Ch. Universal Temperature Module • Thermocouple (B,E,J,K,N,R,S,T) • PT-100, PT-1000, NTC (10k@25C) • 0-60 mVDC • 0-20 Ohm



MQTT GMT SCADA & IOT SOLUTIONS

GMT PLCs provide solutions for both machine manufacturers and IoT applications. GMT Scada is a new feature of GMT PLC which allows users to control their system from remote points.

GMTScada can be easily configured in GMTSuite editor program. GMTScada is based on MQTT protocol. The MQTT protocol has extremely lightweight messaging transport and supports SSL security level.

GTMScada enables users to access their application via PC-Tablet or Mobile phone through **www.gmtport.com** web page from anywhere.

Here are the main advantages of GMT Scada :

- MQTT protocol provides fast communication and low bandwidth.
- High level security with SSL certificate.
- GMTSuite offers both PLC programming and scada software in one interface.
- No need to make port forwarding and extra professional settings in the router.
- Available for 496 series CPUs without extra charge.

MINI PLC



Panel Mounted



DIN Rail



Function Keys



1.8" TFT LCD Color Screen



Control Keypad

GSR-164R

- 24VDC Power Supply
- 6 Ch. Digital (PNP) / Analog Inputs (0-10V) (12 bit resolution)
- 4 Ch. Relay Output (5A@220VAC)
- Floating point operation
- 48 kB program memory
- Max 20kHz ladder cycle frequency
- 2 kHz Max input count frequency
- Built in RTC
- LCD screen 1.8" 128(RGB) x 160 TFT LCD
- 12 total buttons (6 programmable)
- DIN Rail / Panel Mounted

GSR-2118R

- 24VDC Power Supply
- 11 Ch. Digital (PNP) / Analog Inputs (0-10V) (12 bit resolution)
- 8 Ch. Relay Output (5A@220VAC)
- Floating point operation
- 192 kB program memory
- Max 20kHz ladder cycle frequency
- 2 kHz Max input count frequency
- Built in RTC
- LCD screen 1.8" 128(RGB) x 160 TFT LCD
- 12 total buttons (6 programmable)
- DIN Rail / Panel Mounted

GSR-2108T

- 24VDC Power Supply
- 10 Ch. Digital (PNP) / Analog Inputs (0-10V) (12 bit resolution)
- 8 Ch. Relay Output (5A@220VAC)
- Floating point operation
- 196 kB program memory
- Max 20kHz ladder cycle frequency
- 2 kHz Max input count frequency (All Inputs)
- 1 Ch. itigh speed Input, Encoder Input 10kHz
- 1 Ch. itigh speed Pulse, Output 10kHz
- Built in RTC
- LCD screen 1.8" 128(RGB) x 160 TFT LCD
- 12 total buttons (6 programmable)
- DIN Rail / Panel Mounted

GSR-COM1



- GSR-COM1 communication adapter
- USB 2.0 A-Male - Mini-B cable.

GSR-COM2



- GSR-COM2 communication adapter
- USB flash memory.



PID TEMPERATURE CONTROL DEVICE

TEMPERATURE CONTROL DEVICE / GTC12S



- AI-PID control
- Digital calibration technology for input measurement.
- Support for various thermocouple types and RTDs.
- Auto tuning (AT) control.
- DIN rail mounting.
- User-friendly operating interface.
- 24VDC power supply.
- Enhanced anti-interference capability for operation in challenging industrial environments.

MODEL	DESCRIPTION
GTC12S	Power Input : 24VDC, +10%, -15%
	Power Consumption : ≤5W
	Supported Sensor Types : K, S, R, E, J, T, B, N, WRe3-WRe25, WRe5-WRe26, Cu50, thermocouple types, and Pt100
	DC Voltage : 0 ~ 5V, 1 ~ 5V, 0 ~ 1V, 0 ~ 100mV, 0 ~ 20mV, 0 ~ 500mV
	DC Current : 4 ~ 20mA (with 250 ohm shunt resistor)
	Measurement Range : K(-50~1300°C), S and R (-50~1700°C), T(-200~+350°C), E(0~800°C), J(0~1000°C), B(200~1800°C), N(0~1300°C), Cu50(-50~+150°C), Pt100(-200~+600°C)
	Measurement Accuracy : 0.25%FS ±1 measured unit
	Control Period : Can be selected from 0.24 to 300.0 seconds and this value should be in integer multiples of 0.5 seconds.
	Control Mode : On-Off control mode (dead band adjustable). Fuzzy logic PID control, automatic adjustment with AI-PID (advanced artificial intelligence algorithm).
	Output Features : SSR Output: 12VDC/30mA (for driving SSR)
	Sampling Period : Can take 8 samples per second. Response time can be set to 0.5 seconds by adjusting the digital filter parameter FILT=0.
	Alarm Function : Upper limit, lower limit, deviation upper limit, deviation lower limit.
	Electromagnetic Compatibility (EMC) : ±4KV/5KHz according to IEC61000-4-4; 4KV according to IEC61000-4-5.
	Insulation Withstand Voltage : ≥600V between terminals.
	Operating Conditions : Temperature -10~60°C, Humidity ≤90%RH
	Communication : Modbus RTU (RS485) 9600, 8, None, 1

HUMAN MACHINE INTERFACE



The GHS series is a new generation of industrial human machine interface. The new design and open Linux operating system make it a paradigm of high quality human machine interface.

The GHS series adopts mainstream processors in the market. This quality doesn't only improve the product's lifetime, but it also greatly improves the product's performance.

GMTCNT PDesigner editor software supports scripts, VNC, data report and alarm.

HUMAN MACHINE INTERFACE

- 16.77 M Color
- TFT Display
- ARM Cortex-A7 Dual Core 1GHz
- 256 MB NAND Flash + 128 MB DDR3 Memory
- RTC (Real Time Clock)
- 1 USB Slave port
- 1 USB Host port
- 1 RS232, 1 RS485, and 1 RS232/RS485/RS422 communication port
- Remote monitoring and control via VNC support on tablets, Smartphones, and PCs for models with Ethernet
- Front panel IP65 protection
- GMTCNT protocol allowing multiple HMIs to access a single PLC for inter-HMI communication
- Ability to connect a keyboard, mouse, flash drive, etc. to the USB host port
- Data logging, alarm, trend recording, and historical query capabilities with a flash drive connected to the USB host port
- Ability to create macros in the C language
- Setting security levels and user definitions
- Access to the HMI and external USB flash drive via FTP for Ethernet models
- Programmed with the PDesigner HMI Editor Program



- Front and back panel IP65 protection
- 65536 colors
- TFT Display
- 32-bit 800 MHz RISC CPU
- 128 MB Flash, 64 MB SDRAM
- RTC (Real-time clock)
- 1 USB host port
- 1 RS232 and 1 RS485 communication port
- Programmed with the GOP HMI Editor Program

GHS-043

SCREEN	RESOLUTION	BRIGHTNESS cd/m2	OPERATING TEMPERATURE	ADDITIONAL FEATURES
4,3"	800x480	500	0...+50°C	2 Serial Port

GHS-043E

SCREEN	RESOLUTION	BRIGHTNESS cd/m2	OPERATING TEMPERATURE	ADDITIONAL FEATURES
4,3"	800x480	500	0...+50°C	Ethernet port 2 Serial Port

GHS-070

SCREEN	RESOLUTION	BRIGHTNESS cd/m2	OPERATING TEMPERATURE	ADDITIONAL FEATURES
7"	1024x600	450	0...+50°C	USB Host 3 Serial Port

GHS-070E

SCREEN	RESOLUTION	BRIGHTNESS cd/m2	OPERATING TEMPERATURE	ADDITIONAL FEATURES
7"	1024x600	450	0...+50°C	USB Host Ethernet Port 3 Serial Port

GHS-101

SCREEN	RESOLUTION	BRIGHTNESS cd/m2	OPERATING TEMPERATURE	ADDITIONAL FEATURES
10.1"	1024x600	450	0...+50°C	USB Host 3 Serial Port

GHS-101E

SCREEN	RESOLUTION	BRIGHTNESS cd/m2	OPERATING TEMPERATURE	ADDITIONAL FEATURES
10.1"	1024x600	450	0...+50°C	USB Host Ethernet Port 3 Serial Port

GOP70-101WP

SCREEN	RESOLUTION	BRIGHTNESS cd/m2	OPERATING TEMPERATURE	ADDITIONAL FEATURES
10,1"	1280x800	250	0...+50°C	USB Host, IP65



HUMAN MACHINE INTERFACE

FRAMELESS DISPLAY MODELS

- 16.77M Color
- TFT Display
- ARM RISC 32-bit 792 MHz Processor
- 128 MB NAND Flash + 128 MB DDR3 Memory
- RTC (Real-Time Clock)
- 1 USB Slave port
- 1 USB Host port
- 1 RS232 and 1 RS232/RS485/RS422 communication port
- Remote monitoring and control via VNC support on Tablets, Smartphones, and PCs for model with Ethernet
- GMTCNT protocol allowing multiple HMIs to access a single PLC for inter-HMI communication
- Ability to connect a keyboard, mouse, flash drive, etc. To the USB host port
- Data logging, alarm, trend recording, and historical query capabilities with a flash drive connected to the USB host port
- Ability to create macros in the C language
- Setting security levels and user definitions
- Access to the HMI and external USB flash drive via FTP for Ethernet models
- Programmed with the PDesigner HMI Editor Program



FLG-043

SCREEN	RESOLUTION	BRIGHTNESS cd/m2	OPERATING TEMPERATURE	ADDITIONAL FEATURES
4,3"	480x272	450	0...+50°C	USB Host

FLG-070E

SCREEN	RESOLUTION	BRIGHTNESS cd/m2	OPERATING TEMPERATURE	ADDITIONAL FEATURES
7"	800X480	250	0...+50°C	USB Host, Ethernet Port

FLG-101E

SCREEN	RESOLUTION	BRIGHTNESS cd/m2	OPERATING TEMPERATURE	ADDITIONAL FEATURES
10.1"	1024X600	400	0...+50°C	USB Host, Ethernet Port

WSGBOX HDMI OUTPUT PANEL

- Cortex-A9 Processor
512MB DDR3 + 4 GB eMM Memory
- HDMI V1.4 FHD (1920*1080 @ 60Hz) Display Port
- 2 USB Host Ports
- 1 10/100M Ethernet Port
- 3 Serial Communication Ports
COM0: PLC RS232 / RS422 / RS485
COM1: PLC RS485
COM2: PC / PLC RS232
- 2 Digital Inputs
- 3 Digital Outputs
- Programmed with the PDesigner HMI Editor Program

WSGBOX-01

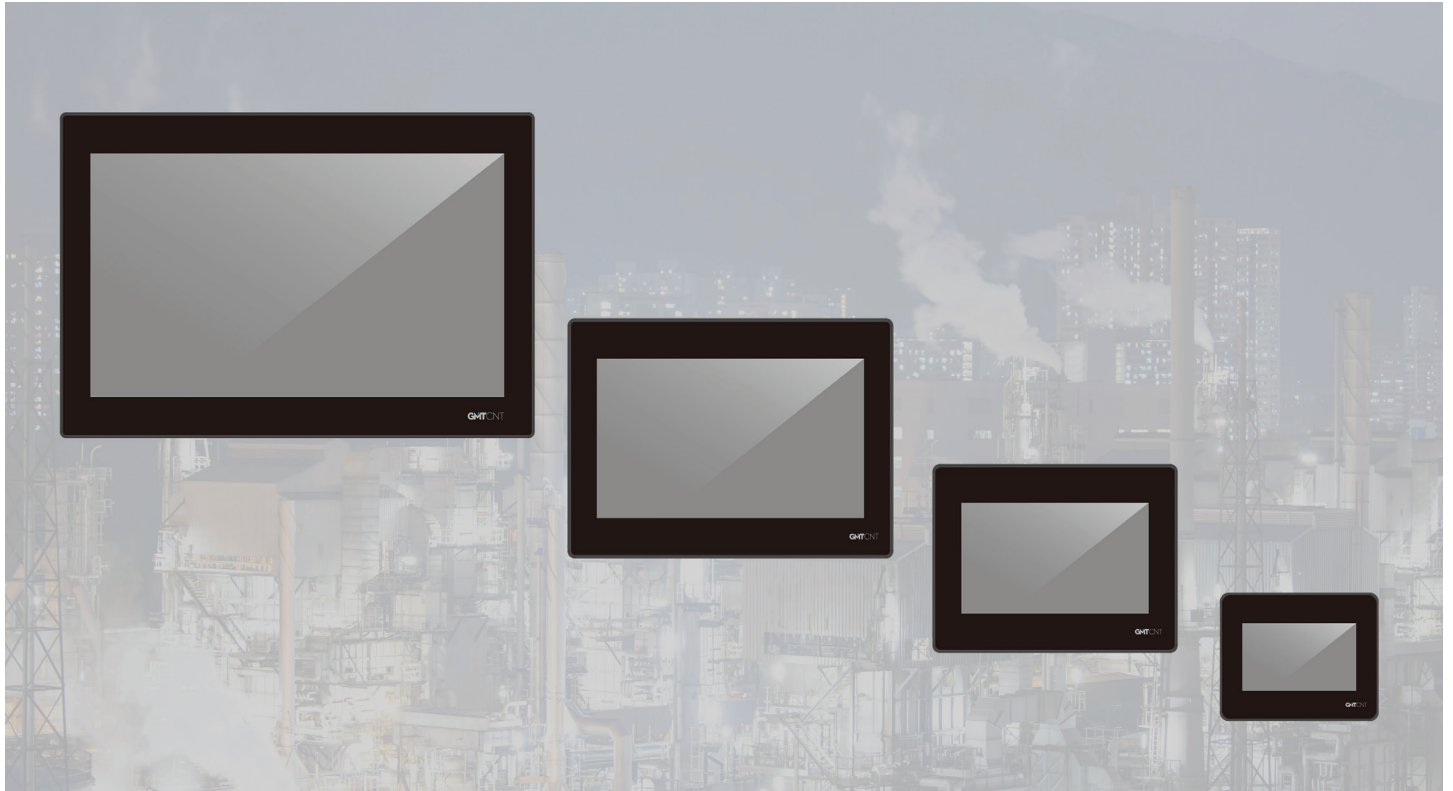
PROCESSOR	DISPLAY OUTPUT	MEMORY	OPERATING TEMPERATURE	ADDITIONAL FEATURES
32bit RISC Cortex-A9 1 GHz	HDMI V1.4 FHD (1920 * 1080 @ 60HZ)	512 MB DDR3 + 4 GB eMMC	0...+50°C	Ethernet Port



FLEXIBLE HARDWARE

MONITORING AND CONTROL

EASY USAGE



● **HMI Products**

GMT offers the latest technology in touch screen technology with the GHS, TSG and FLG Series Operator Panels.

The operator panels are developed for use in industrial applications. Real-time clock (RTC) is available as a standard feature in the products. The user-friendly software comes with a wide range of PLC libraries.

With the PDF Viewer function in the GHS series, PDF files can be viewed. Data recording and program loading can be done through USB Host feature. Keyboard, mouse, and web camera can be connected.

With VNC software, observation and control can be achieved through local network or internet access using Windows, IOS, and Android platforms for Ethernet port models.

● **IP65 Protection Feature**

GHS series HMI panels have an IP65 protection on the front panel. GOP70 series panels, on the other hand, have both front and back panels with IP65 protection feature.

● **Communication**

GMTCNT HMIs have USB Host, Ethernet port, and RS232/RS485 communication ports. With GMTCNT protocol, communication between HMIs can be established, and with VNC protocol, remote access to HMI can be made from tablets, smartphones, and PCs for control and monitoring purposes.

AC DRIVERS



Micno AC Drive family is launched based on the perfect combination of years of experience and advanced drive technology.

Micno and GAIN Series integrate with sensorless vector control, V/F control, torque control and soft start functions widely applied in pump & fan, and the applications which require high speed control accuracy, rapid torque response and high performance at low frequency.

- Power range from 0.4kW to 630kW
- V/F, SVC and Simple Torque control
- V/F Control 3000Hz, Vector Control 300Hz Output frequency.
- Dual Mode for Heavy load and Fan & Pump
- Common DC bus supporting
- Wobble Frequency Control
- 7 Digital inputs
- 2 Analog inputs
- 2 Digital outputs
- Built-in RS485 Modbus RTU
- PID function
- Simple PLC function
- Removable panel
- User friendly parameter setting
- Cost effective



Excellent design and superb manufacturing process adapting industry-leading automatic spraying and strict automatic testing standards, ensuring more stable and reliable products.



Dual PID switching with dual PID switching function, adapting to varied complicated conditions with flexibility.



Fast current limiting with fast current limiting function, easily responding to the conditions with sudden load, greatly reducing the probability of inverter's frequent overcurrent fault.



Built-in RS485 Modbus RTU Communicate. The host device can communicate with several inverters and control their parameters.



Original energy-saving mode with an original energy-saving mode, when at a light load, it automatically reduces the voltage to save energy.



Removable operator panel Micno series support removable operator panel with standard Ethernet cable.



Flux-weakening control Flux-weakening control, max. frequency of 3000 Hz. Easy for the applications requiring high speed.



PC monitoring software with various background monitoring functions, facilitating on-site data collection, download, and autogeneration of commissioning documents.

AC DRIVERS

GAIN SERIES



	POWER (kW)	CURRENT (A)	DIMENSION (mm) W x H x D	MODEL
1 X 220 VAC	0.40	2.6	85 x 160 x 130	GAIN-00040S
	0.75	4.6	85 x 160 x 130	GAIN-00075S
	1.5	8	85 x 160 x 130	GAIN-00150S
	2.2	11	85 x 160 x 130	GAIN-00220S

MICNO SERIES



	POWER (kW)	CURRENT (A)	DIMENSION (mm) W x H x D	MODEL
1 X 220 VAC	0.40	2.3	85 x 140 x 125	MICNO-00040S
	0.75	4.0	85 x 140 x 125	MICNO-00075S
	1.5	7.0	85 x 140 x 125	MICNO-00150S
	2.2	9.6	110 x 185 x 153	MICNO-00220S

	POWER (kW)		CURRENT (A)		DIMENSION (mm) W x H x D	MODEL
	HEAVY DUTY	NORMAL DUTY	HEAVY DUTY	NORMAL DUTY		
3 X 380 VAC	0.75	1.5	2.1	3.8	110x185x153	MICNO-00075H
	1.5	2.2	3.8	6	110x185x153	MICNO-00150H
	2.2	3.7	6.0	9	110x185x153	MICNO-00220H
	3.7	5.5	9.0	13	110x185x153	MICNO-00370H
	5.5	7.5	13	17	135x240x173	MICNO-00550H
	7.5	11	17	25	135x240x173	MICNO-00750H
	11	15	25	32	170x285x176	MICNO-01100H
	15	18.5	32	37	200x330x180	MICNO-01500H
	18.5	22	37	45	200x330x180	MICNO-01850H
	22	30	45	60	225x400x185	MICNO-02200H
	30	37	60	75	255x440x210	MICNO-03000HS
	37	45	75	90	255x440x210	MICNO-03700HS
	45	55	90	110	255x440x210	MICNO-04500HS
	55	75	110	150	280x570x260	MICNO-05500HS
	75	90	150	176	320x600x330	MICNO-07500HS
	90	110	176	210	320x600x330	MICNO-09000HS
	110	132	210	253	320x600x330	MICNO-11000HS
	132	160	253	304	320x715x330	MICNO-13200HS
	160	185	304	340	320x715x330	MICNO-16000HS
	185	200	340	377	480x790x385	MICNO-18500H
	200	220	377	423	480x790x385	MICNO-20000H
	220	250	423	465	480x790x385	MICNO-22000HS
	250	280	465	520	480x790x385	MICNO-25000HS
	280	315	520	585	700x970x408	MICNO-28000H
	315	350	585	640	700x970x408	MICNO-31500H
	350	400	640	720	940x1140x458	MICNO-35000H
	400	450	720	820	940x1140x458	MICNO-40000H
	450	500	820	900	940x1140x458	MICNO-45000H

NEW GENERATION SD7 SERIES SERVO SYSTEMS



HIGH PERFORMANCE NEXT GENERATION SD7 SERVO SYSTEMS

The SD7 Series Servo Systems offer compact design, Position/Speed/Torque control modes, and high performance to provide solutions for machine manufacturers in industries such as testing devices, presses, cutting, filling, packaging, plastics, and food. They are user-friendly with automatic motor detection, USB port programming, and One-Click Tune feature.

The SD7 Servo Systems have the following main features:

- Single-phase 220V -15%~+10% 50/60HZ
- Three-phase 380V - 400V -15%~+10% 50/60HZ
- Power Range: 400W-7.5kW
- Position/Speed/Torque Control modes
- Switching between control modes
- Easy adjustment and control flexibility
- Automatic motor detection
- Modbus RTU/EtherCAT
- 23-bit Absolute Encoder
- Built-in brake resistance
- Parameter adjustment via PC software or built-in keypad and display
- USB Type-C connection terminal for PC
- 8 Digital inputs
- 5 Digital outputs
- (500kHz) /24V (200kHz)
- 2 Ch. -10~+10VDC Analog Inputs
- 1 Ch. -10~+10VDC Analog Output
- Auto Tuning function
- Zero speed tracking function
- Black box function for error analysis
- Overcurrent , overvoltage , undervoltage , overheating protection functions

SD7 SERIES SERVO SYSTEMS

400W

DESCRIPTION

SD7RS04	400W Servo Driver, Pulse+Direction +Analog+Modbus RTU RS485
SD2EC	400W EtherCat Servo Driver
S2M060F0400ADX	400W Brakes Motor, 23 bit Absolute Encoder, 1.27Nm, 3000 rpm, IP67, Shaft Diameter 14mm
S2M060F0400ADB	400W Brake Motor, 23 bit Absolute Encoder, 1.27Nm, 3000 rpm, IP67, Shaft Diameter 14mm
CM05S-D	Motor Cable (5mt)
CE05S-D	Incremental Encoder Cable (5mt)
CM05S-D-B	Brake Motor Cable (5mt)
CM15S-D	Motor Cable (15mt)
CE15S-D	Incremental Encoder Cable (15mt)
CM15S-D-B	Brake Motor Cable (15mt)
CE05S-D-A	Absolute Encoder Cable (5mt)
CE15S-D-A	Absolute Encoder Cable (15mt)

750W

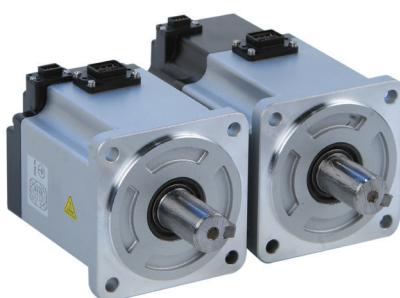
DESCRIPTION

SD7RS07	750W Servo Driver, Pulse+Direction +Analog+Modbus RTU RS485
SD2EC	750W EtherCat Servo Driver
S2M080F0750ADX	750W Brakes Motor, 23 bit Absolute Encoder, 2.39Nm, 3000 rpm, IP67, Shaft Diameter 19mm
S2M080F0750ADB	750W Brake Motor, 23 bit Absolute Encoder, 2.39Nm, 3000 rpm, IP67, Shaft Diameter 19mm
CM05S-D	Motor Cable (5mt)
CE05S-D	Incremental Encoder Cable (5mt)
CM05S-D-B	Brake Motor Cable (5mt)
CM15S-D	Motor Cable (15mt)
CE15S-D	Incremental Encoder Cable (15mt)
CM15S-D-B	Brake Motor Cable (15mt)
CE05S-D-A	Absolute Encoder Cable (5mt)
CE15S-D-A	Absolute Encoder Cable (15mt)

850W

DESCRIPTION

SD7RS10	1000W Servo Driver, Pulse+Direction +Analog+Modbus RTU RS485
SD3EC	1000W EtherCat Servo Driver
SM130F0850X	850W Brakes Motor, 23 bit Absolute Encoder, 5.4 Nm, 1500 rpm, Shaft Diameter 19mm
SM130F0850B	850W Brake Motor, 23 bit Absolute Encoder, 5.4 Nm, 1500 rpm, Shaft Diameter 19mm
CM05H	Motor Cable (5mt)
CE05H	Incremental Encoder Cable (5mt)
BC05H	Brake Cable (5mt)
CM15H	Motor Cable (15mt)
CE15H	Incremental Encoder Cable (15mt)
CE05H-A	Absolute Encoder Cable (5mt)
CE15H-A	Absolute Encoder Cable (15mt)



SD7 SERIES SERVO SYSTEMS

1300W	DESCRIPTION
SD7RS15	1500W Servo Driver, Pulse+Direction + Analog+Modbus RTU RS485
SD4EC	1500W EtherCat Servo Driver
SM130F1300X	1300W Brakes Motor, 23 bit Absolute Encoder, 8.4 Nm, 1500 rpm, Shaft Diameter 22mm
SM130F1300B	1300W Brake Motor, 23 bit Absolute Encoder, 8.4 Nm, 1500 rpm, Shaft Diameter 22mm
CM05H	Motor Cable (5mt)
CE05H	Incremental Encoder Cable (5mt)
BC05H	Brake Cable (5mt)
CM15H	Motor Cable (15mt)
CE15H	Incremental Encoder Cable (15mt)
CE05H-A	Absolute Encoder Cable (5mt)
CE15H-A	Absolute Encoder Cable (15mt)

1800W	DESCRIPTION
SD7RS20	2000W Servo Driver, Pulse+Direction + Analog+Modbus RTU RS485
SD5EC	2000W EtherCat Servo Driver
SM130F1800X	1800W Brakes Motor, 23 bit Absolute Encoder, 11.5 Nm, 1500 rpm, Shaft Diameter 22mm
SM130F1800B	1800W Brakesli Motor, 23 bit Absolute Encoder, 11.5 Nm, 1500 rpm, Shaft Diameter 22mm
CM05H	Motor Cable (5mt)
CE05H	Incremental Encoder Cable (5mt)
BC05H	Brake Cable (5mt)
CM15H	Motor Cable (15mt)
CE15H	Incremental Encoder Cable (15mt)
CE05H-A	Absolute Encoder Cable (5mt)
CE15H-A	Absolute Encoder Cable (15mt)

2900W	DESCRIPTION
SD7RS30H	3000W Servo Driver 3x380VAC, Pulse+Direction + Analog+Modbus RTU RS485
SD7EC30H	3000W EtherCat Servo Driver 3x380VAC
S2M180F2900XH	2900W Brakes Motor, 180mm Flanş, 23bit Absolute Encoder, 18.6Nm,1500rpm, Shaft Diameter:35mm
S2M180F2900BH	2900W Brake Motor, 180mm Flanş, 23bit Absolute Encoder, 18.6Nm,1500rpm, Shaft Diameter:35mm
CM05HA380	Motor Cable (5mt)
CM15HA380	Motor Cable (15mt)
CE05H380	Incremental Encoder Cable (5mt)
CE15H380	Incremental Encoder Cable (15mt)
BC05H380	Brake Cable (5mt)
BC15H380	Brake Cable (15mt)
CE05H380-AB	Absolute Encoder Cable (5mt)
CE15H380-AB	Absolute Encoder Cable (15mt)



SD7 SERIES SERVO SYSTEMS

4400W	DESCRIPTION
SD7RS44H	4400W Servo Driver, 3x380VAC, Pulse+Direction + Analog+Modbus RTU RS485
SD7EC44H	4400W EtherCat Servo Driver 3x380VAC
S2M180F4400XH	4.4kw Brakes Motor, 180mm Flanş , 23bit Absolute Encoder, 28.6Nm,1500rpm, Shaft Diameter:35mm
S2M180F4400BH	4.4kw Brake Motor, 180mm Flanş , 23bit Absolute Encoder, 28.6Nm,1500rpm, Shaft Diameter:35mm
CM05HB380	Motor Cable (5mt)
CM15HB380	Motor Cable (15mt)
CE05H380	Incremental Encoder Cable (5mt)
CE15H380	Incremental Encoder Cable (15mt)
BC05H380	Brake Cable (5mt)
BC15H380	Brake Cable (15mt)
CE05H380-AB	Absolute Encoder Cable (5mt)
CE15H380-AB	Absolute Encoder Cable (15mt)

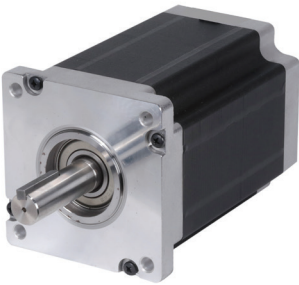
5500W	DESCRIPTION
SD7RS55H	5500W Servo Driver 3x380VAC, Pulse+Direction +Analog+Modbus RTU RS485
SD7EC55H	5500W EtherCat Servo Driver 3x380VAC
S2M180F5500XH	5500W Brakes Motor, 180mm Flanş , 23bit Absolute Encoder, 35Nm,1500rpm, Shaft Diameter:35mm
S2M180F5500BH	5500W Brake Motor, 180mm Flanş , 23bit Absolute Encoder, 35Nm,1500rpm, Shaft Diameter:35mm
CM05HB380	Motor Cable (5mt)
CM15HB380	Motor Cable (15mt)
CE05H380	Incremental Encoder Cable (5mt)
CE15H380	Incremental Encoder Cable (15mt)
BC05H380	Brake Cable (5mt)
BC15H380	Brake Cable (15mt)
CE05H380-AB	Absolute Encoder Cable (5mt)
CE15H380-AB	Absolute Encoder Cable (15mt)

7500W	DESCRIPTION
SD7RS75H	7500W Servo Driver 3x380VAC, Pulse+Direction +Analog+Modbus RTU RS485
SD7EC75H	7500W EtherCat Servo Driver 3x380VAC
S2M180F7500XH	7500W Brakes Motor, 180mm Flanş , 23bit Absolute Encoder, 48Nm,1500rpm,Shaft Diameter:35mm
S2M180F7500BH	7500W Brake Motor, 180mm Flanş , 23bit Absolute Encoder, 48Nm,1500rpm,Shaft Diameter:35mm
CM05HB380	Motor Cable (5mt)
CM15HB380	Motor Cable (15mt)
CE05H380	Incremental Encoder Cable (5mt)
CE15H380	Incremental Encoder Cable (15mt)
BC05H380	Brake Cable (5mt)
BC15H380	Brake Cable (15mt)
CE05H380-AB	Absolute Encoder Cable (5mt)
CE15H380-AB	Absolute Encoder Cable (15mt)

STEPPER MOTORS AND DRIVERS



STEPPER MOTORS AND DRIVERS



SPECIFICATIONS	MODEL	SPECIFICATIONS
<ul style="list-style-type: none">• The new 32-bit DSP technology• Optically isolated differential inputs• Ultra-low noise and vibration• Supports 4 and 8 lined two-phase stepper motor• Current settings is optional between ratings• Current will automatically be halved when standing still• Pulse frequency response up to 200KHz• Overvoltage, undervoltage, short circuit protection	GSTD2542	24-48 VDC 4.2A Step Driver
	GSTD2556	24-60 VDC 5.6A Step Driver
	GSTM4218-048-810	42 FLANGE, 1.0A, 0.34Nm Step Motor
	GSTM5718-080-830	57 FLANGE, 3.0A, 2.0Nm Step Motor
	GSTD2860	18-80 VAC 24-110 VDC 6, 0A Step Driver
	GSTM8618-080-842	86 FLANGE, 4.2A, 4.5Nm Step Motor
	GSTM8618-118-842	86 FLANGE, 4.2A, 8.5Nm Step Motor
	GSTM8618-156-845	86 FLANGE, 4.5A, 12Nm Step Motor
	GSTD22280	80-220 VAC 8.0A Step Driver
	GSTM11018-115-460	110 FLANGE, 6.0A, 12Nm Step Motor
	GSTM11018-150-460	110 FLANGE, 6.0A, 20Nm Step Motor
	GSTM11018-165-460	110 FLANGE, 6.0A, 24Nm Step Motor

ACCESSORIES

SMPS POWER SUPPLY



SPECIFICATIONS

- Universal Input voltage range
- Low cost, high reliability
- Overload, overvoltage, short circuit, over-heating protection
- 100% full load test
- CE approved according to EN standards

MODEL

POWER (W)

INPUT VOLTAGE

OUTPUT VOLTAGE

OUTPUT CURRENT

EPS060
EPS120
EPS240
EPS480

60
120
240
480

100-240 VAC
100-240 VAC
200-240 VAC
200-240 VAC

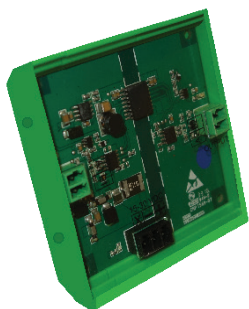
24 VDC
24 VDC
24 VDC
24 VDC

2.5A
5A
10A
20A

ISOLATED REPEATER

SPECIFICATIONS

MODEL



- 24VDC power supply
- Automated data flow control (1 Mbps)
- Automatic data transmission direction
- Galvanic isolation up to 7kV
- Asynchronous, P2P, M2P Half-Duplex working mode
- 8kV ESD Protection
- 4kV EFT Protection
- 0,5kV SURGE Protection
- CE Certificated

GRP 485

USB CONVERTER

GCM 232-USB

GCM 485-USB



- USB-RS232 converter
- Asynchronous, P2P, P2M, Full Duplex working mode

- USB-RS485 converter
- 32 interface devices load capacity
- 1,1km transmission distance (at 9600bps)
- Asynchronous, P2P, P2M, Half Duplex working mode

USB ver. 2.0

4800...256000bps serial port signal speed

Signal indicators

CE approval

COMMUNICATION AND PROGRAMMING CABLE

SPECIFICATIONS

MODEL



- PLC-HMI Communication cable (RS232 / RS485, 1.5 mt)
- PLC-HMI Communication cable (RS232 / RS485, 3 mt)
- PLC-HMI Communication cable (RS232 / RS485, 5 mt)
- HMI Programing cable (1.5 mt Micro USB)

GIM01-BC-3P-1.5M
GIM01-BC-3P-3M
GIM01-BC-3P-5M
GCON-TSG-USB

NOTES

NOTES

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