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AUTOMATION
PRODUCTS



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M i n i P L C

GMTCNT

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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

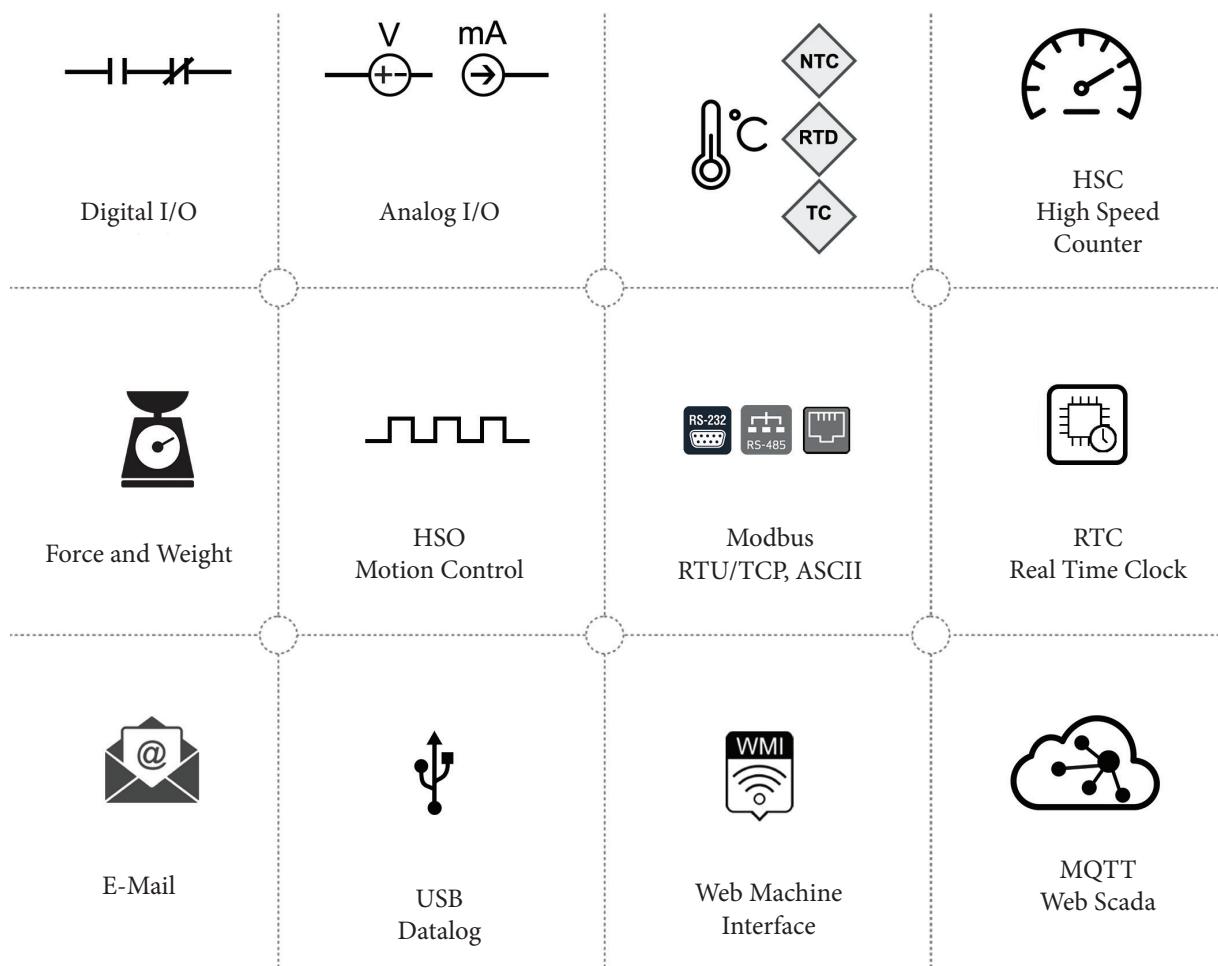


GMTCNT PLC family is developed to meet easy, economic and smart solutions for small and medium sized applications.

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 the keep PLC system stable against any interference.

GMTCNT 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



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CPU MODULES



CPU MODULES

MODEL	DESCRIPTION
GLC-196R	<ul style="list-style-type: none"> • 9 Digital inputs, 6 Relay outputs
GLC-196T	<ul style="list-style-type: none"> • 9 Digital inputs, 6 Transistor outputs (PNP) • 3 Ch. High Speed Pulse outputs Max. 20kHz
GLC-296R	<ul style="list-style-type: none"> • 9 Digital inputs, 6 Relay outputs, 1 Ch. Analog input, 1 Ch. Analog output
GLC-296T	<ul style="list-style-type: none"> • 9 Digital inputs, 6 Transistor outputs (PNP), 1 Ch. Analog input, 1 Ch. Analog output • 3 Ch. High Speed Pulse outputs Max. 100kHz
GLC-396R	<ul style="list-style-type: none"> • 9 Digital inputs, 6 Relay outputs, 1 Ch. Analog input, 1 Ch. Analog output, RTC, WMI
GLC-396T	<ul style="list-style-type: none"> • 9 Digital inputs, 6 Transistor outputs (PNP), 1 Ch. Analog input, 1 Ch. Analog output, RTC, WMI • 3 Ch. High Speed Pulse outputs Max. 100kHz
GLC-496R	<ul style="list-style-type: none"> • 9 Digital inputs, 6 Relay outputs, 1 Ch. Analog input, 1 Ch. Analog output, RTC, WMI, GMT SCADA
GLC-496T	<ul style="list-style-type: none"> • 9 Digital inputs, 6 Transistor outputs (PNP), 1 Ch. Analog input, 1 Ch. Analog output, RTC, WMI, GMT SCADA • 3 Ch. High Speed Pulse outputs Max. 500kHz



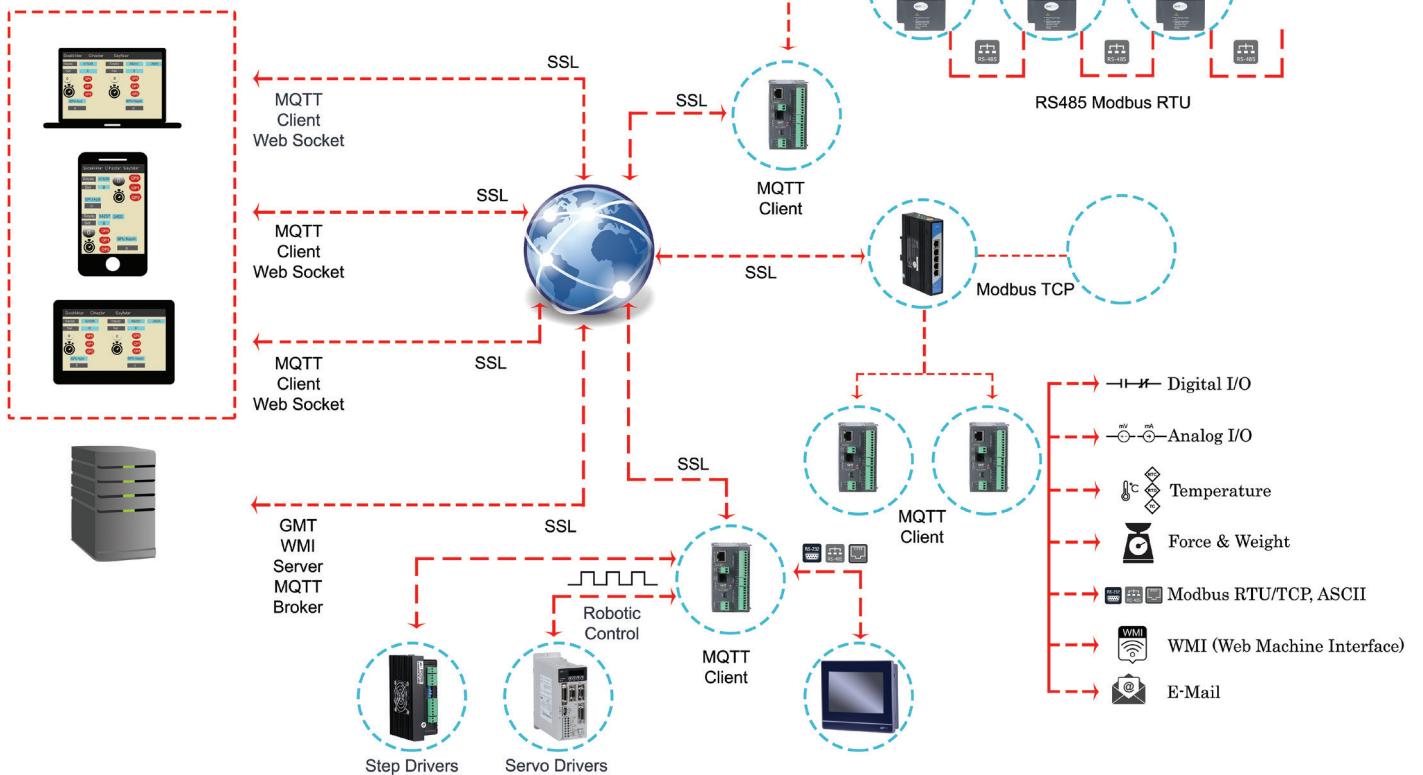
EXPANSION MODULES



EXPANSION MODULES

MODEL	DESCRIPTION
GXM-44RA	<ul style="list-style-type: none"> • 4 Ch. 24 VDC Digital inputs (PNP/NPN), 4 Ch. Relay outputs
GXM-80IA	<ul style="list-style-type: none"> • 8 Ch. 24 VDC Digital inputs (PNP/NPN)
GXM-08TA	<ul style="list-style-type: none"> • 8 Ch. 24 VDC 300 mA Transistor outputs (PNP)
GXM-88RA	<ul style="list-style-type: none"> • 8 Ch. 24 VDC Digital inputs (PNP/NPN), 8 Ch. Relay outputs
GXM-88TA	<ul style="list-style-type: none"> • 8 Ch. 24 VDC Digital inputs (PNP/NPN), 8 Ch. 24 VDC 300 mA Transistor outputs (PNP)
GXM-16IA	<ul style="list-style-type: none"> • 16 Ch. 24 VDC Digital inputs (PNP/NPN)
GXM-16TA	<ul style="list-style-type: none"> • 16 Ch. 24 VDC 300 mA Transistor outputs (PNP)
GXM-40AN	<ul style="list-style-type: none"> • 4 Ch. 0-10 VDC, 0-20mA, 4-20mA Analog inputs (14 bit Resolution)
GXM-42AN	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 2 Ch. 0-10 VDC, 0-20mA, 4-20mA Analog outputs (14 bit Resolution)
GXM-06AN	<ul style="list-style-type: none"> • 6 Ch. 0-10 VDC, 0-20mA, 4-20mA Analog outputs (14 bit Resolution)
GXM-20L	<ul style="list-style-type: none"> • 2 Ch. Loadcell inputs (24bit Resolution)
GXM-10L	<ul style="list-style-type: none"> • 1 Ch. Loadcell input (24bit Resolution)
GXM-40UA	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 2 Ch. Universal Termperature Module • Thermocouple (B,E,J,K,N,R,S,T) • PT-100, PT-1000, NTC (10k@25C) • 0-60 mVDC • 0-20 Ohm

HTML5 SCADA



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
- Free downloadable GMTSuite editor software

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
- Free downloadable GMTSuite editor software

GSR-COM1



- GSR-COM1 communication adapter



USB 2.0 A-Male - Mini-B cable.

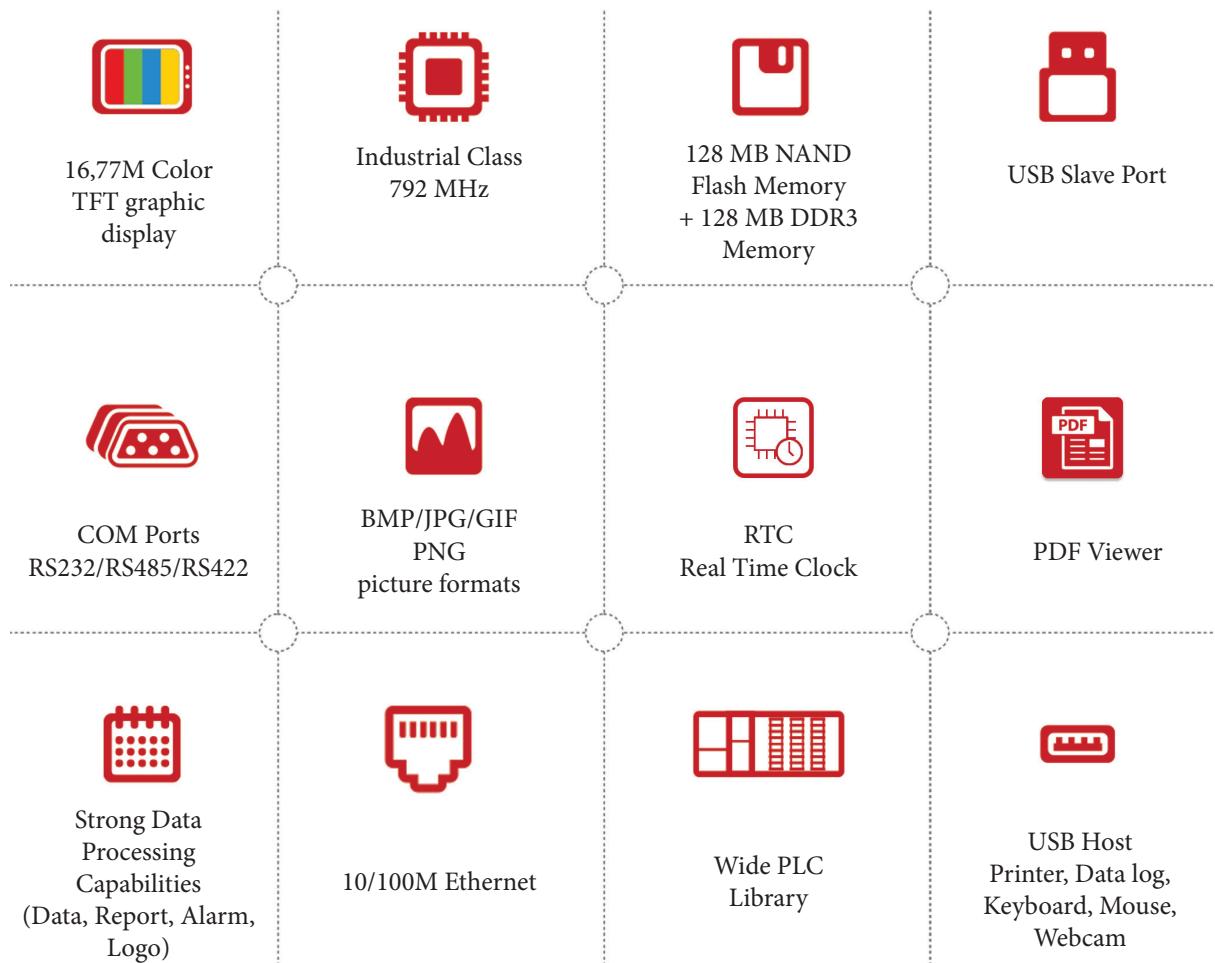
GSR-COM2



- GSR-COM2 communication adapter

USB flash memory.

HUMAN MACHINE INTERFACE



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

The TSG 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

MODEL	DISPLAY	COLOR	BRIGHTNESS	SPECIFICATION
TSG-043	4,3" 480X272	16,77M TFT LCD	450cd/m2	-
TSG-043E				Ethernet
TSG-070	7" 800X480	16,77M TFT LCD	250cd/m2	USB Host
TSG-070E				Ethernet USB Host
TSG-101	10.1" 1024X600	16,77M TFT LCD	400cd/m2	USB Host
TSG-101E				Ethernet USB Host
TSG-150E	15" 800X600	16,77M TFT LCD	420cd/m2	USB Host
GOP70-070WP	7" 800X480	65K TFT LCD	300cd/m2	USB Host
GOP70-101WP	10.1" 1280X800	65K TFT LCD	250cd/m2	USB Host

MODEL	CPU	DISPLAY	MEMORY	SPECIFICATION
WSGBOX-01	32bit RISC Cortex-A9 1 GHz	HDMI V1.4 FHD (1920 * 1080 @ 60HZ)	512 MB DDR3 + 4 GB eMMC	Ethernet



AC DRIVERS



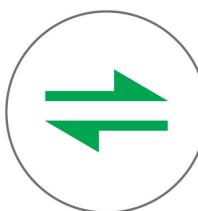
Micno AC Drive family is launched based on the perfect combination of years of experience and advanced drive technology.

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.



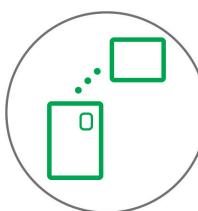
Fast current limiting with fast current limiting function, easily responding to the conditions with sudden load, greatly reducing the probability of inverter's frequent overcurrent fault.



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) G x Y 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) G x Y 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
		0.75	2.1	110 x 185 x 153	MICNO-00075H
		1.5	3.8	110 x 185 x 153	MICNO-00150H
		2.2	6.0	110 x 185 x 153	MICNO-00220H
		3.7	9.0	110 x 185 x 153	MICNO-00370H

3 X 380 VAC	POWER (kW)		CURRENT (A)		DIMENSION (mm) G x Y x D	MODEL
	HEAVY DUTY	NORMAL DUTY	HEAVY DUTY	NORMAL DUTY		
	5.5	7.5	13	17	135 x 240 x 173	MICNO-00550H
	7.5	11	17	25	135 x 240 x 173	MICNO-00750H
	11	15	25	32	170 x 285 x 176	MICNO-01100H
	15	18.5	32	37	200 x 330 x 180	MICNO-01500H
	18.5	22	37	45	200 x 330 x 180	MICNO-01850H
	22	30	45	60	225 x 400 x 190	MICNO-02200H
	30	37	60	75	255 x 440 x 215	MICNO-03000H
	37	45	75	90	280 x 570 x 265	MICNO-03700H
	45	55	90	110	280 x 570 x 265	MICNO-04500H
	55	75	110	150	320 x 600 x 330	MICNO-05500H
	75	90	150	176	320 x 600 x 330	MICNO-07500H
	90	110	176	210	320 x 715 x 330	MICNO-09000H
	110	132	210	253	320 x 715 x 330	MICNO-11000H
	132	160	253	304	480 x 900 x 385	MICNO-13200H
	160	185	304	340	480 x 790 x 385	MICNO-16000H
	185	200	340	377	480 x 790 x 385	MICNO-18500H
	200	220	377	423	480 x 790 x 385	MICNO-20000H
	220	250	423	465	700 x 970 x 408	MICNO-22000H
	250	280	465	520	700 x 970 x 408	MICNO-25000H
	280	315	520	585	700 x 970 x 408	MICNO-28000H
	315	350	585	640	700 x 970 x 408	MICNO-31500H

SOLAR PUMP DRIVERS

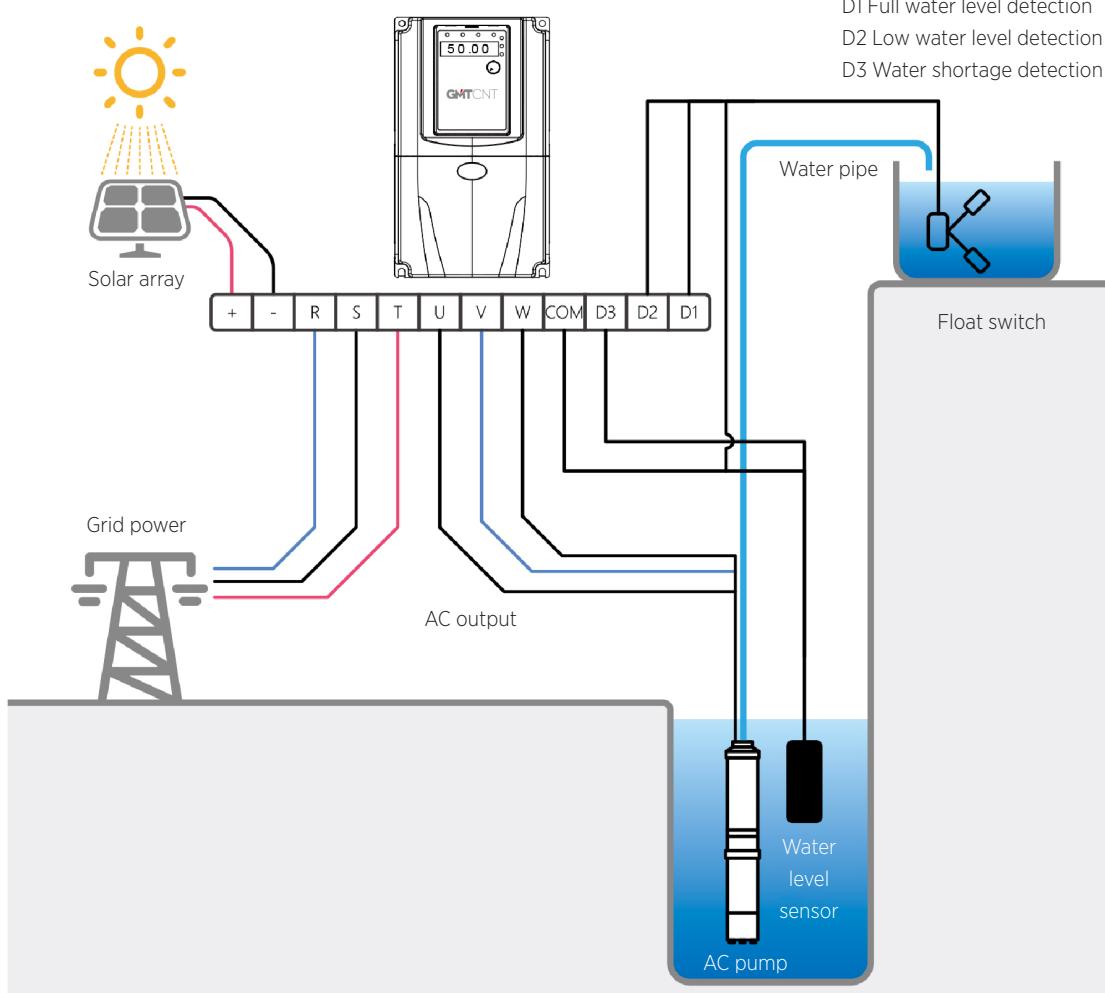
Solar pump system, consisting of a solar array, a solar pump inverter, an AC water pump and a water tank, uses solar cell as a power supply to directly take water from deep wells, rivers, lakes and other water sources through the water pump.

System feature

- The system automatically starts in the morning and stops in the evening. It can run perfectly whenever there is sunshine, with no need of back-up battery.
- Compatible with all types of solar panels and AC pumps (such as self-priming pump, submersible pump, deep-well pump and surface pump).
- Maximum operating ambient temperature 60°C.
- Good performance even in cloudy weather.
- In the long run, the return on investment is much higher than diesel generators.
- Equipped with perfect protection, requires no man to be on duty, runs fully automatically.

The solar pump system is a presentation of low-carbon, energy-saving and environmental protection. It can improve the living standard of people in areas lacking water and electricity. Therefore, it has a broad market prospect and huge social value.

SOLAR PUMP SYSTEM



SOLAR PUMP DRIVERS



- 0,4kW - 200kW Power Range
- Built-in MPPT Function
- Support AC and DC input
- Easy installation and effortless maintenance
- RS485 Modbus RTU Communication Port
- Max. Input Voltage :
 - 1P 220-240VAC / 450 VDC
 - 3P 380-460VAC / 900VDC
- Recommended Voltage Range :
 - 1P 220-240VAC / 350-400 VDC
 - 3P 380-460VAC / 625-750VDC
- Water level detection function
- 7 Ch. Digital input
- 2 Ch. Relay output

INPUT (VDC)	EXIT (VAC)	POWER (kW)	CURRENT (A)	DIMENSION (mm) G x Y x D	MODEL
350-400	3x220	0.4	2.3	80x150x124	SPIN-00040S
350-400	3x220	0.75	4	80x150x124	SPIN-00075S
350-400	3x220	1.5	7	80x150x124	SPIN-00150S
350-400	3x220	2.2	9.6	110x185x153	SPIN-00220S
350-400	3x220	4	17	135x240x173	SPIN-00400S
350-400	3x220	5.5	25	170x314x167	SPIN-00550S
350-400	3x220	7.5	32	200x330x180	SPIN-00750S
350-400	3x220	11	45	225x400x185	SPIN-01100S
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625-750	3x380	0.75	2.1	110x185x153	SPIN-00075H
625-750	3x380	1.5	3.8	110x185x153	SPIN-00150H
625-750	3x380	2.2	6	110x185x153	SPIN-00220H
625-750	3x380	4	9	135x240x173	SPIN-00400H
625-750	3x380	5.5	13	135x240x173	SPIN-00550H
625-750	3x380	7.5	17	170x285x176	SPIN-00750H
625-750	3x380	11	25	170x285x176	SPIN-01100H
625-750	3x380	15	32	200x329x177	SPIN-01500H
625-750	3x380	18.5	37	225x398x185	SPIN-01850H
625-750	3x380	22	45	225x398x185	SPIN-02200H
625-750	3x380	30	60	255x440x210	SPIN-03000H
625-750	3x380	37	75	280x570x258	SPIN-03700H
625-750	3x380	45	90	280x570x258	SPIN-04500H
625-750	3x380	55	110	320x600x330	SPIN-05500H
625-750	3x380	75	150	320x600x330	SPIN-07500H
625-750	3x380	90	176	320x715x330	SPIN-09000H
625-750	3x380	110	210	320x715x330	SPIN-11000H



SERVO MOTORS AND DRIVERS



Servo systems consist of servo motors and servo drivers. Servo drivers are equipped with high level microprocessors of semiconductor technologies and servo motors are equipped with natural magnets. These systems are economical to use in applications such as automation, precision measurement, high and stable speed control, torque control, sudden accelerate/stop and etc.

As GMTCNT, we support and develop Servo systems, that are frequently in used applications such as testing devices, pressure machines, cutting machines, filling machines, packing machines, plastic machines, nutrient machines and etc.



SERVO MOTORS AND DRIVERS (WITHOUT BRAKE)

- Suitable for 200W, 400W, 750W, 1000W, 1500W, 2000W and 3000W motors
- 20 Bit Nikon Brand encoder feedback
- Monophase 200-240VAC 50/60Hz
- Threephase 380-415VAC 50/60Hz
- Position / Speed/ Torque Control modes
- 32 Steps internal position table
- Pulse+Direction, CCW+CW, FazA+FazB (5-24V) pulse type
- Open-collector 500 kHz, differential Mode 4MHz pulse input
- Able to set Torque - Speed value using built-in parameters and analog inputs
- Easy to activate system using PC Software and Built-in keypad
- Additional RS-232 port for PC Software
- Maximum 2MHz Encoder output signal
- Position, Speed, Torque, Master - Slave modes available and can be switched between them
- Electronic adjustable Gearbox
- Acquisition setting parameters
- Torque Speed Limits
- Built-in position and Homing function
- Modbus RTU Communication (GSS3-2RS, 3RS, 4RS)
- EtherCat Communication (GSS3-2EC, 3EC, 4EC)
- 7 Ch. PNP/NPN Selectable digital inputs
- 5 Ch. digital outputs
- 2 Ch. -10V...+10V analog inputs
- Protection is available for common issues such as over voltage, low voltage, short circuit, overheating motor, overheating servo driver

EtherCAT®

Modbus



1X220VAC

MODEL	DESCRIPTION
GSM60F-0200W-20B-30D-KLY GSS3-2RS GSS3-2EC GMK-05-KLY GEK-05-GU-KLY	200 W Motor / 3000 rpm / 0.64 Nm Driver (Modbus RTU Communication) Driver (EtherCAT Communication) Power Cable (5 mt) Encoder Cable (5 mt)
(60 Flange 14mm Shaft Diameter)	
GSM60F-0400W-20B-30D-KLY GSS3-2RS GSS3-2EC GMK-05-KLY GEK-05-GU-KLY	400 W Motor / 3000 rpm / 1.27 Nm Driver (Modbus RTU Communication) Driver (EtherCAT Communication) Power Cable (5 mt) Encoder Cable (5 mt)
(60 Flange 14mm Shaft Diameter)	
GSM80F-0750W-20B-30D-KLY GSS3-2RS GSS3-2EC GMK-05-KLY GEK-05-GU-KLY	750 W Motor / 3000 rpm / 2.39 Nm Driver (Modbus RTU Communication) Driver (EtherCAT Communication) Power Cable (5 mt) Encoder Cable (5 mt)
(80 Flange 19mm Shaft Diameter)	
GSM130F-1000W-20B-20D-MC GSS3-3RS GSS3-3EC GMK-05-MC4 GEK-05-GC0-MC	1 kW Motor / 2000 rpm / 4.8 Nm Driver (Modbus RTU Communication) Driver (EtherCAT Communication) Power Cable (5 mt) Encoder Cable (5 mt)
(130 Flange 22mm Shaft Diameter)	
GSM130F-1500W-20B-20D-MC GSS3-3RS GSS3-3EC GMK-05-MC4 GEK-05-GC0-MC	1.5 kW Motor / 2000 rpm / 7.2Nm Driver (Modbus RTU Communication) Driver (EtherCAT Communication) Power Cable (5 mt) Encoder Cable (5 mt)
(130 Flange 22mm Shaft Diameter)	



SERVO MOTORS AND DRIVERS (WITHOUT BRAKE)

- Suitable for 200W, 400W, 750W, 1000W, 1500W, 2000W and 3000W motors
 - 20 Bit Nikon Brand encoder feedback
 - Monophase 200-240VAC 50/60Hz
 - Threephase 380-415VAC 50/60Hz
 - Position / Speed/ Torque Control modes
 - 32 Steps internal position table
 - Pulse+Direction, CCW+CW, FazA+FazB (5-24V) pulse type
 - Open-collector 500 kHz, differential Mode 4MHz pulse input
 - Able to set Torque - Speed value using built-in parameters and analog inputs
 - Easy to activate system using PC Software and Built-in keypad
 - Additional RS-232 port for PC Software
 - Maximum 2MHz Encoder output signal
 - Position, Speed, Torque, Master - Slave modes available and can be switched between them
 - Electronic adjustable Gearbox
 - Acquisition setting parameters
 - Torque Speed Limits
 - Built-in position and Homing function
 - Modbus RTU Communication (GSS3-2RS, 3RS, 4RS)
 - EtherCat Communication (GSS3-2EC, 3EC, 4EC)
 - 7 Ch. PNP/NPN Selectable digital inputs
 - 5 Ch. digital outputs
 - 2 Ch. -10V...+10V analog inputs
 - Protection is available for common issues such as over voltage, low voltage, short circuit, overheating motor, overheating servo driver

EtherCAT®



	MODEL	DESCRIPTION
1 X 220VAC	GSM130F-2000W-20B-20D-MC GSS3-3RS GSS3-3EC GMK-05-MC4 GEK-05-GC0-MC (130 Flange 22mm Shaft Diameter)	2 kW Motor / 2000 rpm / 9.6 Nm Driver (Modbus RTU Communication) Driver (EtherCAT Communication) Power Cable (5 mt) Encoder Cable (5 mt)
3 X 380VAC	GSM130F-3000W-20B-20D-MC GSS3-4RS GSS3-4EC GMK-05-MC4 GEK-05-GC0-MC (130 Flange 22mm Shaft Diameter)	3 kW Motor / 2000 rpm / 14.3 Nm Driver (Modbus RTU Communication) Driver (EtherCAT Communication) Power Cable (5 mt) Encoder Cable (5 mt)
3 X 380VAC	GSM130F-3000W-20B-30D-MC GSS3-4RS GSS3-4EC GMK-05-MC4 GEK-05-GC0-MC (130 Flange 22mm Shaft Diameter)	3 kW Motor / 3000 rpm / 10 Nm Driver (Modbus RTU Communication) Driver (EtherCAT Communication) Power Cable (5 mt) Encoder Cable (5 mt)

SERVO MOTORS AND DRIVERS (BRAKED)

- Suitable for 200W, 400W, 750W, 1000W, 1500W, 2000W and 3000W motors
- 20 Bit Nikon Brand encoder feedback
- Monophase 200-240VAC 50/60Hz
- Threephase 380-415VAC 50/60Hz
- Position / Speed/ Torque Control modes
- 32 Steps internal position table
- Pulse+Direction, CCW+CW, FazA+FazB (5-24V) pulse type
- Open-collector 500 kHz, differential Mode 4MHz pulse input
- Able to set Torque - Speed value using built-in parameters and analog inputs
- Easy to activate system using PC Software and Built-in keypad
- Additional RS-232 port for PC Software
- Maximum 2MHz Encoder output signal
- Position, Speed, Torque, Master - Slave modes available and can be switched between them
- Electronic adjustable Gearbox
- Acquisition setting parameters
- Torque Speed Limits
- Built-in position and Homing function
- Modbus RTU Communication (GSS3-2RS, 3RS, 4RS)
- EtherCat Communication (GSS3-2EC, 3EC, 4EC)
- 7 Ch. PNP/NPN Selectable digital inputs
- 5 Ch. digital outputs
- 2 Ch. -10V...+10V analog inputs
- Protection is available for common issues such as over voltage, low voltage, short circuit, overheating motor, overheating servo driver



MODEL	DESCRIPTION
GSM60F-0200W-20B-30D-KLY-B	200 W Motor / 3000 rpm / 0.64 Nm
GSS3-2RS	Driver (Modbus RTU Communication)
GSS3-2EC	Driver (EtherCAT Communication)
GMK-05-KLY	Power Cable (5 mt)
GEK-05-GU-KLY	Encoder Cable (5 mt)
GMFK-05-KL	Brake Cable
(60 Flange 14mm Shaft Diameter)	
GSM60F-0400W-20B-30D-KLY-B	400 W Motor / 3000 rpm / 1.27 Nm
GSS3-2RS	Driver (Modbus RTU Communication)
GSS3-2EC	Driver (EtherCAT Communication)
GMK-05-KLY	Power Cable (5 mt)
GEK-05-GU-KLY	Encoder Cable (5 mt)
GMFK-05-KL	Brake Cable
(60 Flange 14mm Shaft Diameter)	
GSM80F-0750W-20B-30D-KLY-B	750 W Motor / 3000 rpm / 2.39 Nm
GSS3-2RS	Driver (Modbus RTU Communication)
GSS3-2EC	Driver (EtherCAT Communication)
GMK-05-KLY	Power Cable (5 mt)
GEK-05-GU-KLY	Encoder Cable (5 mt)
GMFK-05-KL	Brake Cable
(80 Flange 19mm Shaft Diameter)	
GSM130F-1000W-20B-20D-MC-B	1 kW Motor / 2000 rpm / 4.8 Nm
GSS3-3RS	Driver (Modbus RTU Communication)
GSS3-3EC	Driver (EtherCAT Communication)
GMK-05-MC4-B	Power Cable (5 mt)
GEK-05-GC0-MC	Encoder Cable (5 mt)
(130 Flange 22mm Shaft Diameter)	
GSM130F-1500W-20B-20D-MC-B	1.5 kW Motor / 2000 rpm / 7.2Nm
GSS3-3RS	Driver (Modbus RTU Communication)
GSS3-3EC	Driver (EtherCAT Communication)
GMK-05-MC4-B	Power Cable (5 mt)
GEK-05-GC0-MC	Encoder Cable (5 mt)
(130 Flange 22mm Shaft Diameter)	



SERVO MOTORS AND DRIVERS (BRAKED)

- Suitable for 200W, 400W, 750W, 1000W, 1500W, 2000W and 3000W motors
- 20 Bit Nikon Brand encoder feedback
- Monophase 200-240VAC 50/60Hz
- Threephase 380-415VAC 50/60Hz
- Position / Speed/ Torque Control modes
- 32 Steps internal position table
- Pulse+Direction, CCW+CW, FazA+FazB (5-24V) pulse type
- Open-collector 500 kHz, differential Mode 4MHz pulse input
- Able to set Torque - Speed value using built-in parameters and analog inputs
- Easy to activate system using PC Software and Built-in keypad
- Additional RS-232 port for PC Software
- Maximum 2MHz Encoder output signal
- Position, Speed, Torque, Master - Slave modes available and can be switched between them
- Electronic adjustable Gearbox
- Acquisition setting parameters
- Torque Speed Limits
- Built-in position and Homing function
- Modbus RTU Communication (GSS3-2RS, 3RS, 4RS)
- EtherCat Communication (GSS3-2EC, 3EC, 4EC)
- 7 Ch. PNP/NPN Selectable digital inputs
- 5 Ch. digital outputs
- 2 Ch. -10V...+10V analog inputs
- Protection is available for common issues such as over voltage, low voltage, short circuit, overheating motor, overheating servo driver



	MODEL	DESCRIPTION
1 X 220VAC	GSM130F-2000W-20B-20D-MC-B GSS3-3RS GSS3-3EC GMK-05-MC4-B GEK-05-GC0-MC	2 kW Motor / 2000 rpm / 9.6 Nm Driver (Modbus RTU Communication) Driver (EtherCAT Communication) Power Cable (5 mt) Encoder Cable (5 mt)
	(130 Flange 22mm Shaft Diameter)	
3 X 380VAC	GSM130F-3000W-20B-20D-MC-B GSS3-4RS GSS3-4EC GMK-05-MC4-B GEK-05-GC0-MC	3 kW Motor / 2000 rpm / 14.3 Nm Driver (Modbus RTU Communication) Driver (EtherCAT Communication) Power Cable (5 mt) Encoder Cable (5 mt)
	(130 Flange 22mm Shaft Diameter)	
3 X 380VAC	GSM130F-3000W-20B-30D-MC-B GSS3-4RS GSS3-4EC GMK-05-MC4-B GEK-05-GC0-MC	3 kW Motor / 3000 rpm / 10 Nm Driver (Modbus RTU Communication) Driver (EtherCAT Communication) Power Cable (5 mt) Encoder Cable (5 mt)
	(130 Flange 22mm Shaft Diameter)	

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 Overtoltage, undervoltage, short circuit protection 	GSTD2542 GSTD2556 GSTM4218-048-810 GSTM5718-080-830	24-48 VDC 4.2A Step Driver 24-60 VDC 5.6A Step Driver 42 FLANGE, 1.0A, 0.34Nm Step Motor 57 FLANGE, 3.0A, 2.0Nm Step Motor
	GSTD2860 GSTM8618-080-842 GSTM8618-118-842 GSTM8618-156-845	18-80 VAC 24-110 VDC 6, 0A Step Driver 86 FLANGE, 4.2A, 4.5Nm Step Motor 86 FLANGE, 4.2A, 8.5Nm Step Motor 86 FLANGE, 4.5A, 12Nm Step Motor
	GSTD22280 GSTM11018-115-460 GSTM11018-150-460 GSTM11018-165-460	80-220 VAC 8.0A Step Driver 110 FLANGE, 6.0A, 12Nm Step Motor 110 FLANGE, 6.0A, 20Nm Step Motor 110 FLANGE, 6.0A, 24Nm Step Motor

ACCESSORIES

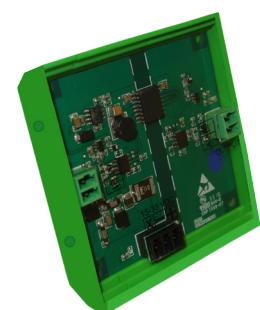
SMPS POWER SUPPLY

SPECIFICATIONS	MODEL	POWER (W)	INPUT VOLTAGE	OUTPUT VOLTAGE	OUTPUT CURRENT
 <ul style="list-style-type: none"> Constant voltage design Protections : overload, over voltage, short circuit Cooling by air convection DIN-rail installations LED indicator for power on 100% full load burn-in test Suitable for industrial control systems, F.A, semiconductor fabrication equipment and electro-mechanical applications Safety standards : EN60950-1 EMC standards : EN55022, EN61204-3, EN61000-3-2-3, EN61000-3-3 	GK050R GK120R GK240R	50 120 240	200-240 VAC	24 VDC	2.1 A
				24 VDC	5 A
				24 VDC	10 A

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...25600bps 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 Programming cable (1.5 mt Micro USB)

GIM01-BC-3P-1.5M

GIM01-BC-3P-3M

GIM01-BC-3P-5M

GCON-TSG-USB

NOTES

NOTES

GMT CNT



gmtcontrol.com



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