



## **GL-9981-C-1**

### Embedded Programmable I/O

Open Linux (Debian)  
Docker installed  
CODESYS RT 3.5 SP19 patch 4 installed  
CODESYS Control Basic L license  
OPC UA and Webvisu supported  
Flash memory: 16GB (eMMC), RAM: 2GB  
Up to 16 expansion slices

## Facts

### General description

Article number	100-8099
Warranty	Up to 2 years
Article status	Active
Shock operating	IEC 60068-2-27 (15G)
Vibration resistance	Sine vibration (based on IEC 60068-2-6), 5 ~ 25 Hz: $\pm 1.6\text{mm}$ , 25 ~ 300 Hz: 4G, Sweep rate: 1 octave/min., 20 cycles, Random vibration (based on IEC 60068-2-64), 10 ~ 40 Hz: $0.0125\text{g}^2/\text{Hz}$ , 40 ~ 100 Hz: $0.0125 \rightarrow 0.002\text{g}^2/\text{Hz}$ , 100 ~ 500 Hz: $0.002\text{g}^2/\text{Hz}$ , 500 ~ 2000 Hz: $0.002 \rightarrow 1.3 \times 10^{-4}\text{g}^2/\text{Hz}$ , Test time: 1hrs for each test
Industrial emissions	EN 61000-6-4: 2019
Industrial immunity	EN 61000-6-2: 2019
Installation position	Horizontal, Vertical
Product certifications	CE, UKCA
System power	Nominal supply voltage: 24 VDC, Voltage range: 60°C: 18~32 VDC, 70°C: 18~26.4 VDC, Output current limitation: 1.5 A, Reverse polarity protection
Power dissipation	Max. 40 mA @ 24 VDC
Current for IO module	1.5 A @ 5 VDC
Isolation	System power to internal logic: Non-Isolation , System power I/O driver: Isolation
Field power	Nominal supply voltage: 24 VDC, Voltage range: 60°C: 18~32 VDC, 70°C: 18~26.4 VDC, * Field Power Range is different depending on IO Module series. Refer to IO Module's Specification.
Max current field power contact	DC 8 A max
Weight	75 g
Module size	22x109x70mm

### Communication

Station type	Master
Max length bus line	100 m
Baud rate	100Mbps, Auto-negotiation, Full duplex
Bus connection	1 x RJ45
Indicator	4 LEDs , 1 Green/Red, Module Status (MOD) , 1 Green, Physical Connection (NET) , 1 Green, Exchange Data/Traffic Present (ERR) , 1 Green/Red, Expansion I/O Module Status (IOS) , , 2 LEDs (each RJ45 Connector) , 1 Yellow, Link/Active , 1 Green, Not used
Module location	Starter module left side

### Environmental

Mounting	35mm DIN rail
Operating temperature	-20 ~ 50°C (Note. from 50°C and above the CPU clock freq. reduced to 600MHz, from 55°C it requires external fan to be installed.)
Storage temperature	-40 ~ 85°C
Relative humidity	5 ~ 90% non-condensing

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