
FnIO G – Series :

GT-7511

GT-7511 (Expansion Power Supply, Input 24Vdc, Output 1.0A/5Vdc)

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History

Rev	Pages	Remarks	Date	Editor
1.00			2016/05/13	Seokhyun, Jun
1.01	8	Environment Specification	2016/06/01	Seokhyun, Jun
1.02	8	Temp specification	2016/06/10	Seokhyun, Jun
1.03	4,5	Shock, Vibration specification changed General specification added(UL)	2020/04/20	Joonho, Park
1.04	1~8	Specification form update	2023/12/20	Suna, Hwang
1.05	6	Edit Diagram Image	2026/01/22	Soyeong, Park

Specification

1. ENVIRONMENT SPECIFICATION

Environmental Specification	
Operation Temperature	-40°C~70°C
UL Temperature	-20°C~60°C
Storage Temperature	-40°C~85°C
Relative Humidity	5% ~ 90% Non-condensing
Mounting	DIN Rail
General Specification	
Shock Operating	IEC 60068-2-27
Vibration Resistance	Based on IEC 60068-2-6, 4g
Industrial Emissions	EN61000-6-4/All : 2011
Industrial Immunity	EN 61000-6-2 : 2005
Installation Position	Vertical and horizontal installation is available.
Product Certifications	CE, UL

2. GT-7511(*Expansion Power Supply, Input 24Vdc, Output 1.0A/5Vdc*)

2.1. GT-7511 Specification

Items	
Input specification	
System input voltage range	15V ~ 30Vdc
System power input voltage	24Vdc nominal
Indicators	1 green system power status , 1 green field power status, 1 green G-bus status
UL field power	Supply voltage : 24Vdc nominal, Class 2
Field power input voltage	24Vdc (±20%) nominal
Field power contacts current	Max. 10A Operating temperature -40°C~50°C : Max. 10A 50°C~70°C : Max. 7A
G-bus output voltage	Max. 5Vdc, 1A *
General specification	
System power dissipation	Max. 20mA @ 24Vdc
Wiring	I/O Cable Max. 2.0mm ² (AWG 14)
Weight	59g
Module size	12mm x 99mm x 70mm

* Operating temperature

-40 ~ 70°C temperature range specification can be guaranteed under the following conditions.

- Current for I/O Modules : 0.4 A below.
- Otherwise, temperature specification can be guaranteed with -40 ~ 60°C.

2.3. GT-7511 LED Indicator

2.3.1. LED Indicator



LED No.	LED Function / Description	LED Color
System Power	System Power	Green
Field Power	Field Power	Green
Status	Internal Bus Status	Green

2.3.2. System/Field Power LED

Status	LED	To indicate
On Signal	Green	Normal Operation
Not Signal	Off	Not supplied 24Vdc system / field power

2.3.3. Status LED

Status	LED	To indicate
Normal signal.	Green	The unit is operating in normal condition. (After normal initialization of RBUS communication, this LED maintains ON status.)
Absence of data size.	Flashing green	Although this module is connected normally, there are not input/output data for communication.
Absence of network adapter	Off	Network adapter is not connected to this module.

Specification

2.4. Example:

The GT-7511 provides Power

