

FnIO S–Series:

Extension Function IOs

ST-5725(Extension Master Module)

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1. ENVIRONMENT SPECIFICATION

Environmental Specifications

Operating Temperature	-20°C ~60°C
Storage Temperature	-40°C ~85°C
Relative Humidity	5% ~ 90% non-condensing
Operating Altitude	2000m
Mounting	DIN rail

General Specifications

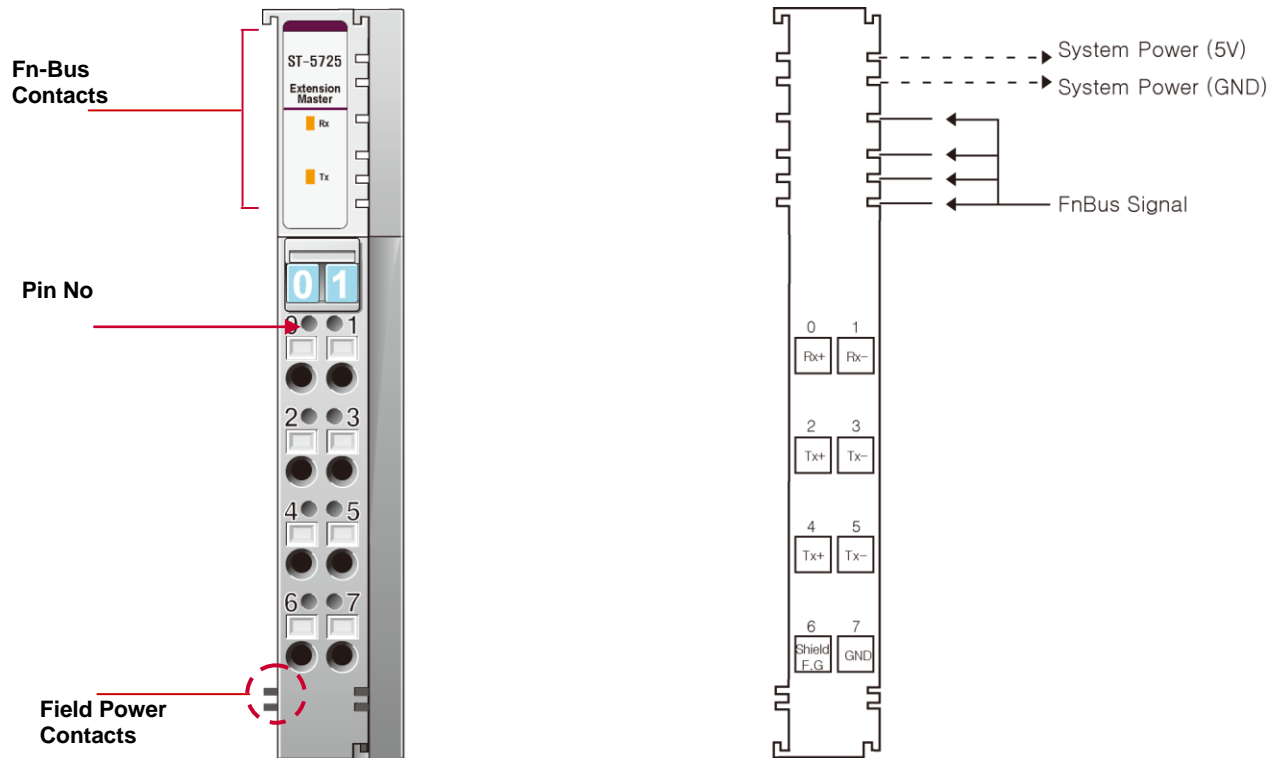
Shock Operating	10g
Shock Non-Operating	30g
Vibration/shock resistance	Displacement : 0.012Inch p-p from 10~57Hz Acceleration : 2G's from 57~500Hz Sweep Rate : 1 octave Per Minute Axes to test : x, y, z Frequency Sweeps Per Axis : 10
EMC resistance burst/ESD	EMC Directive
Installation Pos. / Protect. Class	Variable/IP20
Product Certifications	CE

2. ST-5725(EXTENSION MASTER)

2.1. ST-5725 Specification

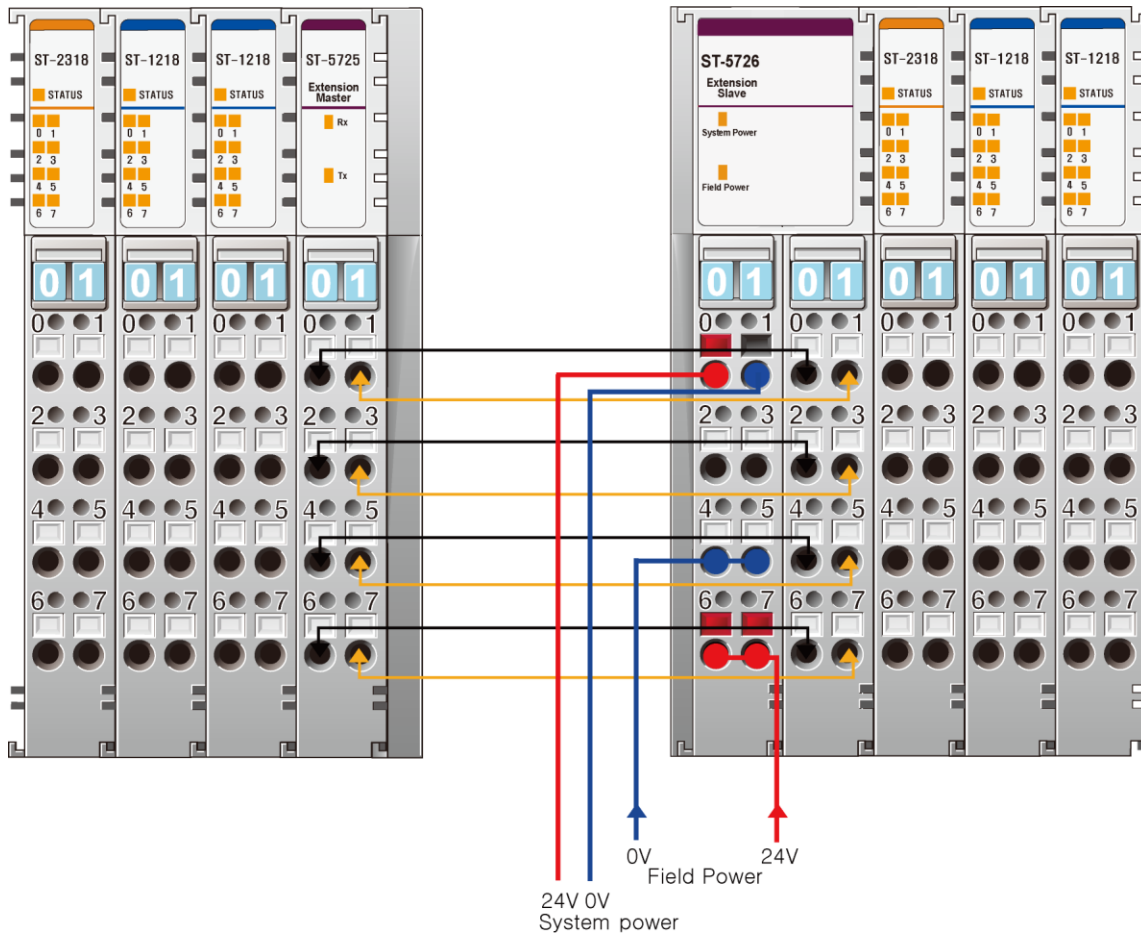
Items	Specification
Communication Specifications	
	ST-5725(Master)
Number of Expansion I/O slots	Max 32 slots
Indicators	2 Green Rx / Tx Status Indicator
Max. Length Extension Line between Master and Slave	Approximately Max. 300m
Requirements	ST-5726(Slave), Extension Cable
Number of Extension Modules	Max 3Levels
Connection Type	RTB 8Points
General Specification	
Power Dissipation	Max. 100mA @5Vdc
Isolation	I/O to Logic : Photocoupler isolation
Field Power	No Connection with Field Power
Wiring	Extension Cable (AWG#26)
Weight	70g
Module Size	19.1mm x 99mm x 70mm
Environment Condition	Refer to Environment Specification.

2.2. ST-5725 Wiring Diagram

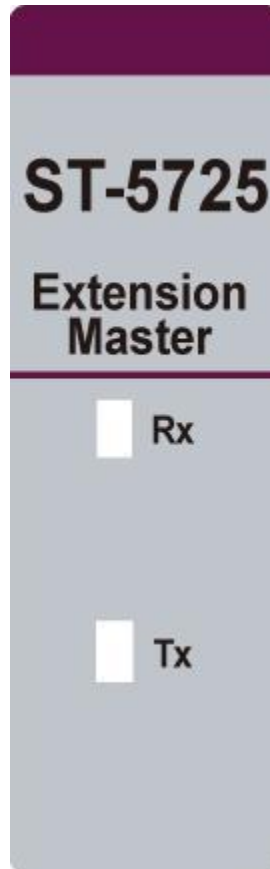


Pin No.	Description	Pin No.	Description
0	Rx+	1	Rx-
2	Tx+	3	Tx-
4	Tk+	5	Tk-
6	Shield / FG	7	GND

- Wiring



2.3. ST-5725 LEDS



Note : It does not have a Module Status LED(FnBus Status).

2.3.1. Rx, Tx LEDS

Rx LED is	State	To Indicate
OFF	Rx Signal OFF-State	Normal Operation
Green	Rx Signal ON-State	Normal Operation

Tx LED is	State	To Indicate
OFF	Tx Signal OFF-State	Normal Operation
Green	Tx Signal ON-State	Normal Operation

2.4. ST-5725(Master) & ST-5726(Slave) System Diagram

