

LSSCG01-1 Scanner Gateway module

Gigabit Ethernet 1000BASE-T Specification compliance Bridge unit for D-Ring (For optical communication expansion)

■ Summary



*Major function : Giga-bit Ethernet-LVDS communication bridge

*Module ambient temperature : -5 to 60°C

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■ Specifications

ITEM		SPECIFICATION	
Function		I/O module communication (LVDS)	
		D-Ring (Giga-bit Ethernet ring communication)	
		Optical communication interface for expansion (100 Mbps multimode communication)	
Number of D-Ring addressing node		Maximum 32 node	
EEPROM		2 kbit (For initial setting information of MAC address)	
Ethernet interface	For D-Ring	1000BASE-T	: 2
Optical communication interface	For optical communication expansion	100BASE-FX	: 3
		Connector type: MT-RJ (No pins) Cable specification: multimode50/125 μ m or 62.5/125 μ m	
User interface		Micro SD card	: 1
		Control/standby switch	: 1
		Reset switch	: 1
		USB mini-B	: 1
Controller		Spartan6 XC6SLX100	
I/O Communication	Communication method	LVDS	
	Communication speed	100 Mbps	
Self-diagnostic functions		Clock abnormal check CRC check (FPGA) Memory check Power voltage check Configuration check	
Data check method		CRC32	
Indicator		4: PWR(Power) / STS(Status) / MOD(Mode) / ACC(Access)	
Hot swap		Possible	
Power supply		DC 24 V \pm 20% (The voltage supplied from the backplane)	
Environmental conditions	Module ambient temperature	(Operating) -5 to 60°C (Storage) -40 to 85°C	
	Module ambient humidity	(Operating / Storage) 10 to 95% RH (No condensation)	
Vibration		3.5 mm @5 to 8.4 Hz 1 G @8.4 to 150 Hz	
Shock		15 G 11 ms	
Rated Current		444 mA	
Weight		0.27 kg	
Dimensions		111 mm (D) x 117 mm (H) x 46 mm (W) (Except projection)	
Standard/Directive		EN 61131-2:2007, RoHS	

About compliant module type

For compliant modules of this product, please refer to "Compliant backplane list (CGS-S9901-E-XX)".

