SST™ CC-Link Industrial Ethernet (IE) Field Slave PCI Network Interface Card

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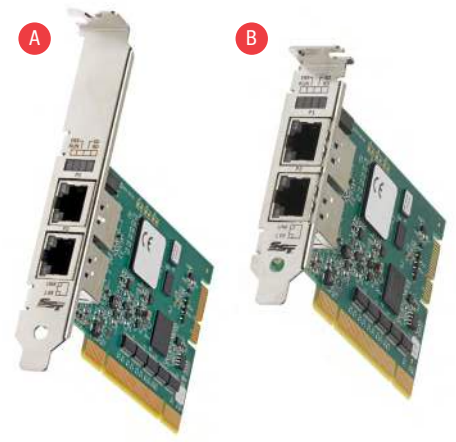
With a 50% smaller footprint and industry-leading low power consumption over alternatives, SST™ CC-Link IE Field Slave Network Interface Cards deliver reliable performance



CC-Link Industrial Ethernet (IE) PCI Card:
A. With Full-Height Bracket (SST-CCIE-S-PCU)
B. With Half-Height Bracket (SST-CCIE-S-PCU-H)

Features and Benefits

Compact size (120mm x 64.4mm)	Addresses space constraints in device stations
Low power consumption (0.5A)	Requires smaller power supply than network interface cards that consume more power. Generates less heat
CC-Link Partner Association (CLPA) certified	Mitigates risk of system incompatibility between communication and control devices. Guarantees performance and interoperability
Supports intelligent device, remote device and remote I/O modules	Can be used with a variety of CC-Link IE field device applications
Operates in ambient temperature from 0 to +70°C	Provides a higher-temperature solution compared to competing network interface cards
Cost competitive	Presents a positive economic alternative to higher-priced network interface cards
Integrated built-in switch	Supports ring topology redundancy, mitigating network system downtime
Token passing with 1 Gbps per port	Enables high-speed, deterministic, repeatable communications
Bracket riveted to PCB	Reduces chance of board and bracket separating in high-vibration applications
Full- or half-height brackets available	Enables flexible options for PCI platforms
32-bit, 20K-byte dual-port RAM	Provides real-time, high-performance throughput. Enables quick system response
LED diagnostic display; illuminated indicators include “ERR”, “RUN”, “SD” and “RD”	Offers a quick, visual diagnostic tool
VxWorks 6.x and Windows 7 and 8 drivers	Utilizes common operating systems. Ideal for machine OEM’s embedded requirements

Applications

Automotive

- Robot and other machine communication
- Diagnostics
- Data collection

Industrial

- Semiconductor
- Machine cell process control
- Manufacturing data
- Diagnostics
- Material handling
- Robot and other machine communication
- Diagnostics
- Data collection

Robot Controller

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Specifications - General

Bus Interface	32-bit, 33 MHz, PCI universal 3.3 / 5V interface (compliant signaling with PCI v2.2 and v2.3)
Processor	Renesas RIN32M3 which integrates 32-bit ARM Cortex-M3 CPU running at 100 Mhz core frequency
Memory	20KB shared memory (256 bytes for PCI configuration per card)
Diagnostics	Bi-color LEDs showing card status (ERR, RUN, SD, and RD)
Size	Standard half-height (1 channel) Standard full-height (1 channel)
Typical Current Draw	+5V, ± 5%; 0.5A
Network Addressable: Memory	Intelligent device (up to 3048 bits and 1024 words per device) Remote device (up to 128 bits and 64 words) Remote I/O device (up to 64 bits)
Operating Temperature	0 to +70ºC (+32 to +185ºF)
Storage Temperature	-25 to +70ºC (-13 to +185ºF)
Humidity	5 to 95% noncondensing
CE RoHS	Yes
FCC	Yes
Korean EMC Standard	Yes
CLPA Certified	Yes

Specifications - Network

Protocol	CC-Link IE Field (Slave Specification)
Cable	IEEE802.2 1000 Base-T Cables, and ANSI-TIA-EIA-568-B Cat 5e
Connector	RJ-45 Connector, ANSI-TIA-EIA-568-B 8-Pin
Isolation	1500V
Data Rate	1 Gbps per port

Ordering Information

Catalog No.	Order No.	Description
SST-CCIE-S-PCU	112079-7004	CC-LINK IE SLAVE, PCU NIC, FULL HT BRACKET
SST-CCIE-S-PCU-B	112079-7005	CC-LINK IE SLAVE, PCU NIC, FULL HT BRACKET, BULK
SST-CCIE-S-PCU-H	112079-7006	CC-LINK IE SLAVE, PCU NIC, HALF HT BRACKET
SST-CCIE-S-PCU-H-B	112079-7007	CC-LINK IE SLAVE, PCU NIC, HALF HT BRACKET, BULK

Note: SST CC-Link IE Configuration Tool software is included with each card. Support phone number: 877-427-0850

www.molex.com/link/bradnics.html

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