



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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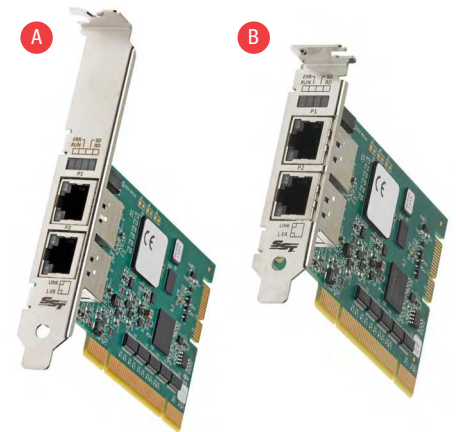
# SST™ CC-Link Industrial Ethernet (IE) Field Slave PCI Network Interface Card



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

## 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



**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)



## 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

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



## 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 +70°C (+32 to +185°F)
Storage Temperature	-25 to +70°C (-13 to +185°F)
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	<a href="#">112079-7004</a>	CC-LINK IE SLAVE, PCU NIC, FULL HT BRACKET
SST-CCIE-S-PCU-B	<a href="#">112079-7005</a>	CC-LINK IE SLAVE, PCU NIC, FULL HT BRACKET, BULK
SST-CCIE-S-PCU-H	<a href="#">112079-7006</a>	CC-LINK IE SLAVE, PCU NIC, HALF HT BRACKET
SST-CCIE-S-PCU-H-B	<a href="#">112079-7007</a>	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](http://www.molex.com/link/bradnics.html)