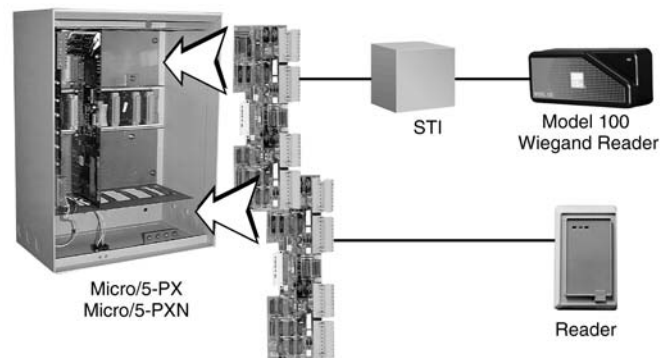




Micro/5 CK8RP

Reader Processor



CARDKEY® SYSTEM UPGRADE

The CASI CK8RP Cardkey Interface board provides the ability to link Cardkey badge readers to a CASI access control system. The interface consists of two components: the Secure Terminal Interface (STI) and the Micro/5 CK8RP reader processor. The CK8RP is compatible with Micro/5-PX and Micro/5-PXN microcontrollers.

The CK8RP makes it possible to retain existing Cardkey badge readers, badges, door hardware and wiring while migrating to a CASI access control and alarm management system.

COST EFFECTIVE EXPANSION

Up to two CK8RPs can be configured into each microcontroller, making it possible to control up to 16 STIs (badge readers) from each microcontroller.

In addition, the CK8RP can be combined in the same Micro/5 cabinet with a standard CASI 8RP reader interface providing a convenient path to the full range of CASI Proximity Perfect™ and Model 43x magstripe badge readers.

READER TECHNOLOGIES

The CK8RP and STI supports Cardkey Wiegand, Cardkey Keypad, Strobed Magstripe and Unsupervised F/2F badge readers. CASI Proximity Perfect and Model 43x magstripe badge readers are supported using Supervised F/2F. Supervised readers have reader-tamper, cable-problem and reader-failure detection provided by a "heartbeat" signal which is passed between the supervised reader and the CK8RP. When a problem is detected, an alarm is generated at the reader and at the host system.

CONVENIENT INSTALLATION

The CASI STI fits in the existing Cardkey STI housing. In most cases, wiring connector positions and styles match those of the legacy STI. Badge reader and door hardware installation are undisturbed.

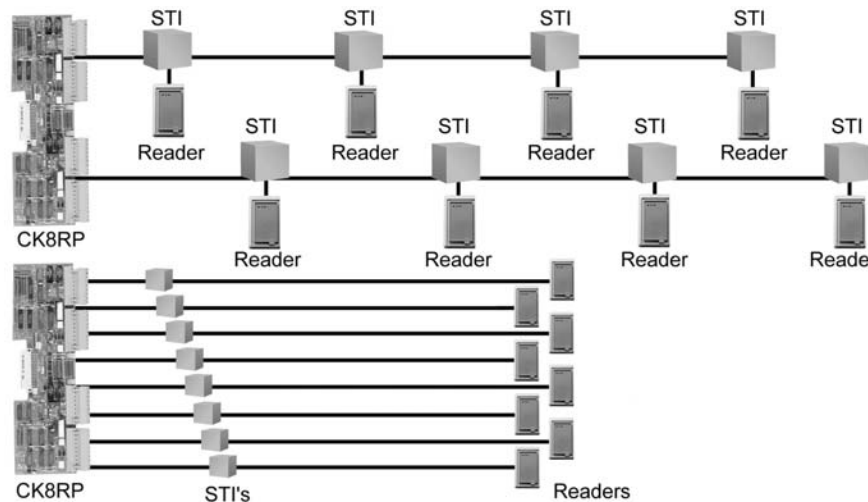
FEATURES

- Easy and quick upgrade from a Cardkey system
- Retain existing badge readers, badges, door hardware and wiring
- Combine with 8RP reader interface in the same Micro/5
- Convenient migration to proximity badge readers
- Daisy chain STIs to reduce system expansion cost

CONFIGURATION INFORMATION

- The CASI STI will replace either a Cardkey STI-C or STI-S (not STI-E)
- Maximum cable lengths: reader to STI, 250 ft.; STI to CK8RP, 6,000 ft.; DI point to STI, 250 ft.; keypad to STI, 250 ft.
- Eight STIs (maximum) can be daisy-chain connected to one CK8RP port. Address switches are on the STI.
- The CK8RP communicates with the STI; the STI communicates with the badge reader. Therefore, badge readers cannot be connected directly to the CK8RP.
- Cardkey produced many one-of-a-kind badge readers. CASI will evaluate the compatibility of existing badges and Cardkey readers with CASI STI and CK8RP interface products. Contact Sales Engineering for details.
- Use of Proximity or other 12VDC readers requires the STI be powered with 16VAC.

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PRODUCT CONTENT

The CK8RP includes eight screw-terminal pluggable edge connectors making field maintenance quick and easy.

The CASI STI includes field wiring plugs which are similar to the Cardkey field wiring plugs, making it possible to easily expand an existing system.

OTHER

Picture Perfect Release 1.4 or higher required.

Site badges must match one of the formats described in the table below. CASI pre-sales support is available for badge evaluation.

CUSTOMER SUPPORT

GE Interlogix and its CASI Business Partner Network offer a full range of support. Emergency support is available 24 hours a day, seven days a week.

FOR MORE INFORMATION

You can find additional product installation details in the Micro/5 Installation Guide; available for download from the CASI web site at www.casi-rusco.com.

Please contact the authorized CASI Business Partner listed below to see how the CK8RP Cardkey Reader Processor can meet your specific requirements.

ORDERING NUMBERS

CK8RP, Cardkey Reader Interface, SP and PP. Use with STI.	110119501
STI (Secure Terminal Interface). Use with CK8RP.	520678001

POWER REQUIREMENTS (STI POWERED SEPARATELY)

16 Readers; two CK8RP per Micro/5	3 Amp
16 Readers; one CK8RP plus one standard 8RP	5 Amp
Battery BackUp	Recommended

SPECIFICATIONS

Reader Technologies	Wiegand, F/2F, Supervised F/2F, Cardkey Keypad, Strobed Magstripe
4-state supervision	EOL resistors, 1K 01/4 watt 5% (optional)
Wiegand Formats	Sensor & Indala 2601, 2800, 2801, 2802, 2804, 3701, 4401, CK 34-bit (non-encrypted)
Communication	CK8RP to STI, Echelon LONWORKS over a single 22AWG twisted pair
Digital Outputs	4 general purpose transistor switch (100ma) and a door strike/LED relay output (100ma).
Digital Inputs	40 per CK8RP: 6 per STI # 1 thru 4; 4 per STI # 5 thru 8. STI 1 thru 8 have both Request-to-Exit and door status contact DIs.



GE Interlogix

GE Interlogix, CASI division
791 Park of Commerce Boulevard
Suite 100, Boca Raton, FL 33487
Tel: +1 (561) 998-6100
U.S.A. Toll Free: 1 (800) 428-2733
Fax: +1 (561) 994-6572
Internet: <http://www.ge-interlogix.com>,
www.casi-rusco.com
General Information
E-mail: info@ge-interlogix.com
Customer Support
E-mail: support@ge-interlogix.com
U.S.A. Toll Free: 1 (800) 428-2733
International: +1 (561) 998-6101
Training Department
E-mail: training@ge-interlogix.com

For the Authorized CASI Business Partner Nearest You:
United States/Canada
Tel: +1 (561) 998-6100
Asia/Pacific
Tel: +1 (561) 998-6100
Northern Europe
Tel: +44 (0)1159 418400
Southern Europe / Middle East / Africa
Tel: +33 (0)1-49 44 84 00
Latin America/Caribbean
Tel: +1 (561) 998-6100