SIEMENS

Data Sheet *(NT Platform)*

RIM - Reader Interface Module

Description

The RIM is a Reader Interface Module (RIM) used as part of an integrated access control and security system.

The RIM provides a local interface between an access controller and a card or biometric reader. This allows the RIM to receive information from a card and send it to the controller for processing. In addition, the RIM has the intelligence to report the status of a door and unlock or lock the door as required.

When a cardholder presents their access card at a reader (connected to a RIM), the RIM interprets this information and sends a message to the controller indicating the card details. The controller then verifies the validity of the cardholder. If the appropriate permissions have been assigned to that cardholder, the controller then sends a message back to the RIM allowing it to unlock the door and permit access.

Features

- Emulates CX8B/NT8 Operation
- Supports all popular reader technologies
- Door status monitoring
- Passback input
- Auxiliary input
- Lock / Door Strike output
- Auxiliary output
- Reader power supply
- Tamper monitoring of input wires
- Auxiliary 12Vdc power supply
- Communications status LED
- Activity status LED
- Power status LED
- Flash memory updateable
- Programming software (Windows 95/98 NT/ME/2000 compatible)

Benefits

The RIM controls all access aspects of a door or barrier. This includes entry using a reader, exit using a passback device, a door strike to lock and unlock the door, and door status monitoring to detect the door position.

The RIM facilitates the individual monitoring of all on-board inputs. This ensures, for example, wire tampering is reported to the system by generating an ALARM message when such situations exist.

The RIM also provides a single auxiliary output power supply of 12 Vdc to drive an external device such as a siren or buzzer.

The intuitive RIM Configurator PC software has been specially designed to make it easy to use and learn.

The RIM provides an auxiliary output. Simply connect a buzzer, set the alarm conditions and let the NT8inform you when security is breached.

By using the latest flash technology, the RIM is fully updateable, and can be easily re-programmed to allow its operation to reflect the latest trends in the access control industry. This leading-edge technology allows the NT8to be re-programmed and used in conjunction with other Siemens Building Technologies products, providing a complete and fully expandable access control solution.

It is important to note that the RIM Replaces the popular CX8B Reader Interface Module. As a replacement it supports all functionality previously supported by the CX8B, with the exception of:

- Stand-alone / local operation mode
- Local alarm mode
- Some non-standard card formats

Specifications

Software for NT8 Configurator

Operating System	Windows 95/98/ME/NT 2000
Internet Explorer	Version 5.0 or later

PC Requirements for NT8 Configurator

The system requirements are those that match the operating system installed on your PC (as recognised by Microsoft). In addition, the following PC pre-requisites are also required:

- Serial port (9 pin)

Electrical

Power (input)	24Vdc or 12Vdc
Consumption	25VA (full load)
Aux Power Supply	12Vdc (1A max.)
Reader Interfaces	Bar code, Magstripe, Wiegand
Lock Output	Relay driven, 12Vdc
Alarm Output	Relay driven, 12Vdc
Inputs	Door frame, Passback, and 1 Auxiliary (passive only)
Comms Port	RS485
Backup Battery	12Vdc, 4.5Ah (when using 24Vdc power input)

Specifications continued

Mechanical / Physical

Dimensions	150x150x75mm (enclosed)
Enclosure	Polycarbonate

Environmental

Temperature	10° to 50°C (operating) 0° to 60°C (storage)
Humidity	10 to 90% RH non-condensing
Durability	60000 hours at 35°C

Compliance

The NT8complies with:

- UL1950
- FCC Part 15 Class B
- AS/NZS 60950
- AS/NZS 3548 Class B
- IEC 5022
- IEC 55024

Part Numbers

RIM-010	Reader Interface Module emulating CX8B/NT8 (can be upgraded to a Dual Reader Interface - ACC Platform)
RIM-011	Reader Interface Module with plastic case, emulating CX8B/NT8 (can be upgraded to a Dual Reader Interface - ACC Platform)
RIM-020	Reader Interface Module emulating CX8B/NT8 (can be upgraded to a Single Reader Interface - ACC Platform)
RIM-021	Reader Interface Module with plastic case, emulating CX8B/NT8 (can be upgraded to a Single Reader Interface - ACC Platform)
PSUPPLY50W	12 Vdc power supply with battery charger (2A rating)
PSUPPLY100W	12 Vdc power supply with battery charger (5A rating)
CX510	CX510 Bus Converter

#NOTE: User's Guide available for the installation and operation of the NT8.

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