

Cisco Physical Access Reader Module

The Cisco® Physical Access Reader Module (Figure 1) is an optional component of the Cisco Physical Access Control solution. The module can be connected to a Cisco Physical Access Gateway in order to expand the solution to include additional doors.

The Cisco Physical Access Reader Module can connect to a maximum of two doors and associated inputs and outputs. It must be used in conjunction with the Cisco Physical Access Gateway, and cannot be used standalone.

Figure 1. Cisco Physical Access Reader Module



Features

Table 1 describes the features of the Cisco Physical Access Reader Module.

Table 1. Cisco Physical Access Reader Module Features

Feature	Description
Doors Managed	Up to two doors.
Reader/Lock Power	Powers external devices such as readers or locks. The maximum current draw is limited to 650mA at 12 VDC.

Connectors

Table 2 describes the connectivity and connectors of the Cisco Physical Access Reader Module.

Table 2. Cisco Physical Access Reader Module Connectors

Connector	Description
Weigand Reader	There is one 10-pin Weigand/clock and data reader interface on the device. This can be configured as two 5-pin Weigand/clock and data interfaces for installations where a 5-pin interface is sufficient.
Inputs	There are three inputs, each of which can be configured as supervised or unsupervised.
Outputs	There are three Form C relay outputs, with contacts rated 5A @ 30V DC or 125VAC (resistive). Each can be configured as either Normally Closed (NC) or Normally Open (NO).

Connector	Description
Tamper Input	Unsupervised input; raises a "tamper" alarm when activated. Can be repurposed for general use by software configuration.
Power Fail Input	Unsupervised input; raises a "power fail" alarm when activated. Can be repurposed for general use by software configuration.
Power	Includes a 2-pin connector for connecting a 12 to 24 VDC external power source.
RS-485	The RS-485 interface is reserved for future use.
CAN Bus	A 3-wire connection is used to connect to the controller area network (CAN) bus.
CAN Termination	A switch allows for the CAN bus to be terminated. This is needed for the last module on the CAN bus.

Specifications

Table 3 provides specifications of the Cisco Physical Access Reader Module.

Table 3. Cisco Physical Access Reader Module Mechanical Specifications

Item	Description			
Housing	Aluminum			
Dimensions (LxWxH)	<ul style="list-style-type: none"> 5 x 7 x 2.14 in. 127 x 178 x 54.6 mm 			
Weight	Without Plugs and Brackets	With Plugs	With Brackets	With Plugs and Brackets
	1.52 lb (688 g)	1.67 lb (756 g)	1.69 lb (761 g)	1.84 lb (830 g)
Certifications	<ul style="list-style-type: none"> FCC UL CE 			
Operating Temperature	<ul style="list-style-type: none"> Indoors only 32 to 122°F (0 to 50°C) 			
Humidity	5 to 95% relative, non-condensing			
Power	12 to 24 VDC (+/- 10%) through an external power supply			

Package Contents

Table 4 describes the items that ship with the Cisco Physical Access Reader Module.

Table 4. Package Contents

Item		
Cisco Physical Access Reader Module		
Connector plugs	Pin	Qty
	10	1
	3	4
	2	6
6 resistors (1K) for input supervision		
2 mounting brackets, with 4 screws for each bracket		
Regulatory compliance and safety information		
Quick start guide		

Availability

The Cisco Physical Access Input Module is available through Cisco Authorized Technology Provider (ATP) Partners.

Ordering Information

Table 5 lists the part numbers for the Cisco Physical Reader Module .

Table 5. Ordering Information

Part Number	Description
CIAC-GW-RDR	Cisco Physical Access Reader Module

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For More Information

For more information about the Cisco Physical Access Reader Module, visit <http://www.cisco.com/go/eac> or contact your local account representative.



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