

INDUSTRIAL AUTOMATION PRODUCT

CC-PCF901

Nine-Port Control Firewall Module

Experion Fault Tolerant Ethernet control-network traffic

IDENTITY	VERIFIED VALUE
Manufacturer	Honeywell
System family	Experion C300 control network
Part number	CC-PCF901
Country	USA
HS code	8537101190

APTER POWER SALES TEAM

WHATSAPP / PHONE +86 180 3023 5313
EMAIL sales13@apterpower.com
WEBSITE www.apterpower.com



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Technical Specifications

Technical values below are limited to the named Honeywell product record.

PARAMETER	TECHNICAL VALUE
Module role	Control Firewall
Network ports	9
IOTA	CC-TCF901
Supply	24 V DC
Current	0.150 A
Heat dissipation	3.750 W

ENGINEERING DATA SUMMARY

DATA GROUP	VERIFIED ASSIGNMENT
Installed host / carrier	CC-TCF901 IOTA
Companion hardware	C300 controller
Field connection	FTE network switches and cables
Primary system function	Provides nine control-network ports
Controlled acceptance duty	C300 FTE cabinet connection

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System Role and Architecture

Experion Fault Tolerant Ethernet control-network traffic

FUNCTION 1

Provides nine control-network ports

FUNCTION 2

Pairs with the CC-TCF901 firewall IOTA

FUNCTION 3

Occupies the UHIO/C300 control-network position

FUNCTION 4

Supports controlled FTE path diagnostics

Matched system components

- CC-TCF901 IOTA
- C300 controller
- FTE network switches and cables
- Experion topology and node record

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
Installed host / carrier	CC-TCF901 IOTA
Companion hardware	C300 controller
Field connection	FTE network switches and cables
Primary system function	Provides nine control-network ports
Controlled acceptance duty	C300 FTE cabinet connection

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Applications and Engineering Context

C300 FTE cabinet connection

Provides nine control-network ports

Redundant controller network service

Pairs with the CC-TCF901 firewall IOTA

Control-network migration

Occupies the UHIO/C300 control-network position

Firewall-module replacement

Supports controlled FTE path diagnostics

TECHNICAL NOTE

Verify the CC-TCF901 IOTA, port labels, FTE A/B paths, cable routing, controller pairing and approved firmware record before returning the node to service.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	ACCEPTANCE CONDITION
Identity	CC-PCF901 / CC-PCF901 recorded
Physical interface	CC-TCF901 IOTA
Companion check	C300 controller
Functional proof	Provides nine control-network ports
Application test	C300 FTE cabinet connection

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Engineering Precautions

1

Verify the complete CC-PCF901 marking and its assigned nine-port Control Firewall position before work.

2

Place the connected process and control strategy in the approved maintenance state.

3

Isolate the applicable cabinet supply and network field energy before disconnecting conductors.

4

Record terminal numbers, channel assignments, polarity, shields and configured ranges before removal.

5

Use ESD controls and protect the backplane connector, terminal hardware and coated electronics.

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
51304159-100	Related industrial automation product	View 51304159-100 page
51195096-200	Related industrial automation product	View 51195096-200 page
8C-PAON01	Related industrial automation product	View 8C-PAON01 page
51304540-200	Related industrial automation product	View 51304540-200 page
51199942-300	Related industrial automation product	View 51199942-300 page
MC-PDIS12	Related industrial automation product	View MC-PDIS12 page
51304511-100	Related industrial automation product	View 51304511-100 page
51303940-250	Related industrial automation product	View 51303940-250 page

MANUFACTURER SOURCE RECORD

Honeywell Series-C I/O User's Guide

EPDOC-X126-en-A

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WEBSITE www.apterpower.com

