

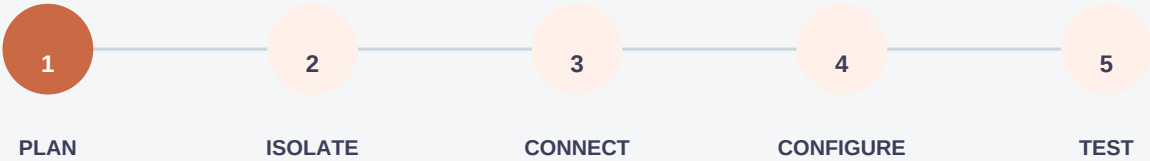
TC-PCIC02

TC-PCIC02 Universal ControlNet Interface Module

CONTROLLED ENGINEERING COPY

Honeywell TC-PCIC02 is the TC-PCIC02 Universal ControlNet Interface Module used for PCI-bus connection of an Experion server to the ControlNet network in a documented Honeywell Experion server hardware installation. Confirm the complete identity and installed system configuration before replacement.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	TC-PCIC02
Manufacturer	Honeywell
System family	Honeywell Experion server hardware
Record scope	Installation, application and verification



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01 PRE-INSTALLATION PLAN

- 1

Confirm the complete TC-PCIC02 identity on the hardware and maintenance record.
- 2

Place the affected Honeywell Experion server hardware process in the approved maintenance state.
- 3

Record the installed position, connectors, terminals, wiring and configuration before removal.
- 4

Isolate all documented power and field energy and apply ESD controls where required.
- 5

Inspect the replacement identity, revision, interfaces and mating hardware before installation.

MATCHED HARDWARE

- Honeywell TC-PCIC02 with exact visible identity
- Matched Honeywell Experion server hardware host
- Documented power, field and communication interfaces
- Approved configuration and acceptance record

INSTALLATION CONTROL RECORD

CONTROL ITEM	REQUIRED RECORD
Identity	TC-PCIC02 recorded
Physical interface	Installed terminals, ports and signals matched to the as-found record
Configuration	Approved Honeywell hardware and system configuration restored
Functional proof	Controlled test confirms PCI-bus connection of an Experion server to the ControlNet network

02 WIRING & INTERFACE CHECKS

CHECK ITEM	REQUIRED VALUE
Product type	Universal ControlNet interface module
Model	TC-PCIC02
Bus interface	PCI bus
Network	ControlNet
Server integration	Supported Honeywell server or approved PCIe-to-PCI chassis arrangement
Network media	Coax trunk, taps, drop cables, repeaters and terminators as engineered
Service scope	Card seating, driver, network address, media and ControlNet diagnostics

RELATED PRODUCT PAGES

1 Honeywell 51401496-100

2 Honeywell 51401642-150

3 Honeywell 621-2200RC

4 Honeywell 8C-PAOH51 51454355-175

5 Honeywell 8C-TAIMA1 51307171-175

6 Honeywell 8C-TAOXA1 51307135-175

7 Honeywell 8C-TDILA1 51307141-175

8 Honeywell MC-PAOX03 51309152-175

9 Honeywell MC-TAIH12 51304337-150

FIELD NOTE

Confirm TC-PCIC02 and the installed system before release.

03 COMMISSIONING WORKFLOW



COMMISSIONING ACCEPTANCE EVIDENCE

EVIDENCE ITEM	ACCEPTANCE CONDITION
Identity	TC-PCIC02
Physical interface	Installed terminals, ports and signals matched to the as-found record
Configuration	Approved Honeywell hardware and system configuration restored
Functional proof	Controlled test confirms PCI-bus connection of an Experion server to the ControlNet network

04 RETURN-TO-SERVICE RECORD

- ☐ Inspect the replacement identity, revision, interfaces and mating hardware before installation.
- ☐ Restore every conductor, cable, power path and configuration value to the approved record.
- ☐ Review host, module, channel or network diagnostics after controlled energization.
- ☐ Perform a controlled test that proves PCI-bus connection of an Experion server to the ControlNet network before release.

VERIFICATION RECORD

PRODUCT IDENTITY	TC-PCIC02
INSTALLED POSITION	Documented Honeywell Experion server hardware position
VERIFICATION METHOD	Controlled inspection and functional test
RELEASE RECORD	Final diagnostic state retained before service

FUNCTIONAL ACCEPTANCE CHECKLIST

- ☐ Inspect the replacement identity, revision, interfaces and mating hardware before installation.
- ☐ Restore every conductor, cable, power path and configuration value to the approved record.
- ☐ Review host, module, channel or network diagnostics after controlled energization.
- ☐ Perform a controlled test that proves PCI-bus connection of an Experion server to the ControlNet network before release.

SOURCE IDENTIFIERS

Honeywell System HINTS, January 2023 and server planning guides | Honeywell manufacturer publication