

TC-FTEB01 51309512-125

TC-FTEB01 Fault Tolerant Ethernet Bridge

TC-FTEB01 Fault Tolerant Ethernet Bridge

PRODUCT SNAPSHOT

BRAND
Honeywell

FAMILY
Honeywell Experion C200 / Series A

PART
TC-FTEB01 51309512-125

DOCUMENT STATUS
Controlled engineering copy

APTER POWER

WHATSAPP / PHONE

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WEBSITE

www.apterpower.com



PRODUCT OVERVIEW

Honeywell TC-FTEB01 51309512-125 provides bridging a C200 controller or FIM-only chassis to the Fault Tolerant Ethernet supervisory network in a documented Honeywell Experion C200 / Series A installation.



Execution: Uncoated TC version



Network: Honeywell Fault Tolerant Ethernet



Supported chassis role: C200 controller or FIM-only chassis



Quantity per chassis: One FTE Bridge

RELATED APTER POWER 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

SYSTEM COMPONENTS

DOCUMENTED COMPONENT	ROLE IN SYSTEM
Proximity probe	Matched extension cable
Proximator Sensor	AISI 4140 target

ENGINEERING CONTEXT

The component remains matched to its installed host, interface hardware and engineering configuration. Commissioning restores that architecture and verifies the intended function under controlled conditions.

TECHNICAL DATA

PARAMETER	VALUE
Product type	Fault Tolerant Ethernet Bridge module
Model	TC-FTEB01
Manufacturer item number	51309512-125
Execution	Uncoated TC version

PARAMETER	VALUE
Network	Honeywell Fault Tolerant Ethernet
Supported chassis role	C200 controller or FIM-only chassis
Quantity per chassis	One FTE Bridge
Service requirement	Device Index, cable-shield ground jumper, MAC

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9 Honeywell MC-TAIH12 51304337-150

TECHNICAL NOTE

Install TC-FTEB01 51309512-125 only in its documented Honeywell Experion C200 / Series A position. Preserve the exact interfaces, wiring and configuration, then verify diagnostics and bridging a C200 controller or FIM-only chassis to the Fault Tolerant Ethernet supervisory network under controlled conditions.

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

TC-FTEB01 Fault Tolerant Ethernet Bridge

Provides bridging a C200 controller or FIM-only chassis to the Fault Tolerant Ethernet supervisory

Installed-system maintenance

Preserves the documented slot, termination, wiring and configuration during replacement.

Controlled commissioning

Restores power and signals in the approved sequence and reviews diagnostics.

Acceptance verification

Confirms the intended channel, network or safety function before release.

PRODUCT PRECAUTIONS

- 1 Confirm the complete TC-FTEB01 51309512-125 identity on the hardware and maintenance record.
- 2 Place the affected Honeywell Experion C200 / Series A 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.
- 6 Restore every conductor, cable, power path and configuration value to the approved record.
- 7 Review host, module, channel or network diagnostics after controlled energization.
- 8 Perform a controlled test that proves bridging a C200 controller or FIM-only chassis to the Fault Tolerant

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ENGINEER FAQ

Q1 Which network is provided by TC-FTEB01 51309512-125?

It connects the chassis to Honeywell Fault Tolerant Ethernet.

Q2 What is bridged through TC-FTEB01 51309512-125?

It carries communication between the server side and a C200 controller or FIM-only chassis.

Q3 How many TC-FTEB01 51309512-125 bridge modules are allowed in one applicable chassis?

One bridge module is allowed per C200 controller or FIM-only chassis.

Q4 Is TC-FTEB01 51309512-125 the coated version?

No. The TC prefix identifies the uncoated execution; TK-FTEB01 is the coated model.

Q5 Which setup value must be unique for TC-FTEB01 51309512-125?

The Device Index must be set correctly for the installed node.

Q6 Why should TC-FTEB01 51309512-125 firmware be recorded before service?

A replacement must run the approved revision for the configured chassis.

Q7 Which physical network items require inspection around TC-FTEB01 51309512-125?

Check both FTE cables, cable-shield ground jumper, MAC-address records and chassis grounding.

Q8 How is TC-FTEB01 51309512-125 released after replacement?

Verify IP assignment, both FTE paths, diagnostics, firmware and communication with the configured chassis.

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SOURCE Honeywell Fault Tolerant Ethernet Bridge Implementation Guide | Honeywell manufacturer publication

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