

APTER POWER

COMPLETE PRODUCT INFORMATION

51405098-100

TP-LCNP04 PCIe LCN Interface Card

Honeywell 51405098-100 is a TP-LCNP04 PCI Express Local Control Network interface card. It provides the hardware connection between an approved PC platform and the Experion LCN.

PRODUCT SNAPSHOT

BRAND

Honeywell

FAMILY

Experion LCN PC node

PART

51405098-100

ORIGIN / HS

USA / 8537101190

APTER POWER SALES TEAM

WHATSAPP / PHONE

+86 180 3023 5313

EMAIL

sales13@apterpower.com

WEBSITE

www.apterpower.com



51405098-100

PRODUCT OVERVIEW

Honeywell 51405098-100 is a TP-LCNP04 PCI Express Local Control Network interface card. It provides the hardware connection between an approved PC platform and the Experion LCN.

1

Connects a server or workstation to the LCN

2

Uses a PCI Express host interface

3

Carries LCN node communication

4

Supports the installed Honeywell LCN software

SYSTEM COMPONENTS

Approved Honeywell server or workstation

PCIe slot

LCN interface cabling

LCNP4 driver software

TECHNICAL DATA

PARAMETER	VALUE
Model alias	TP-LCNP04
Host interface	PCI Express

PARAMETER	VALUE
Network function	LCN interface

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TECHNICAL NOTE

Confirm the supported host platform and PCIe slot, preserve node addressing and driver versions, then verify LCN communication after restart.

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

Experion LCN server nodes

Connects a server or workstation to the LCN

Operator workstation replacement

Uses a PCI Express host interface

PC-node modernization

Carries LCN node communication

LCN interface diagnostics

Supports the installed Honeywell LCN software

PRODUCT PRECAUTIONS

- 1 Verify the complete 51405098-100 marking and the assigned Experion LCN PC node position before field work.
- 2 Isolate the applicable power, network and field energy before disconnecting 51405098-100.
- 3 Use ESD controls and protect the keyed connectors of 51405098-100 during handling.
- 4 Record the installed wiring, jumpers, node or channel assignment before replacement.
- 5 Confirm Approved Honeywell server or workstation and PCIe slot against the approved system configuration.
- 6 Restore 51405098-100 under controlled conditions and review the product-specific diagnostics.
- 7 Complete a functional test for experion lcn server nodes before production release.

ENGINEER FAQ

Q1 Which Approved Honeywell server or workstation identity must be verified before fitting the 51405098-100 TP-LCNP04 PCIe LCN Interface Card?

Match the complete 51405098-100 marking, assigned Experion LCN PC node position and installed Approved Honeywell server or workstation before work.

Q2 How should PCIe slot be isolated before disconnecting the 51405098-100 TP-LCNP04 PCIe LCN Interface Card?

Place the affected process in its approved maintenance state, isolate applicable energy and prove PCIe slot safe before disconnection.

Q3 What as-found wiring record is required for the 51405098-100 TP-LCNP04 PCIe LCN Interface Card in Experion LCN server nodes?

Record terminal identity, polarity, shields, jumpers, cable tags and the as-found diagnostic state for 51405098-100.

Q4 Which Experion LCN PC node configuration must be checked when commissioning the 51405098-100 TP-LCNP04 PCIe LCN Interface Card?

Verify the assigned channel, slot, node or interface and compare it with the approved Experion LCN PC node configuration before enabling 51405098-100.

Q5 How can the 51405098-100 TP-LCNP04 PCIe LCN Interface Card be function-tested for Operator workstation replacement without disturbing the process?

Use a controlled stimulus or limited command, observe the expected system indication and confirm the intended response while normal interlocks remain effective.

Q6 Which diagnostics should be reviewed if the 51405098-100 TP-LCNP04 PCIe LCN Interface Card stops performing its assigned system function?

Check seating, the matched Approved Honeywell server or workstation, the condition of PCIe slot and the model-specific diagnostics before replacing more hardware.

Q7 Can the 51405098-100 TP-LCNP04 PCIe LCN Interface Card used for PC-node modernization be transferred to another Experion LCN PC node position without engineering review?

No. Confirm the hardware execution, connector scheme and approved Experion LCN PC node configuration before transferring 51405098-100 to a different duty.

Q8 What evidence should be retained after the 51405098-100 TP-LCNP04 PCIe LCN Interface Card returns to LCN interface diagnostics service?

Retain the physical identification, as-left wiring or configuration, final diagnostics and controlled functional-test result for 51405098-100.

SOURCE Honeywell server and workstation planning guide | TP-LCNP04

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