

51403776-100

LCNP4/LCNP4M LCN Interface Board

Honeywell 51403776-100 is an LCNP4-family Local Control Network interface board for a PC node. It provides the hardware path between the host computer and TDC 3000 LCN.

PRODUCT SNAPSHOT

BRAND

Honeywell

FAMILY

TDC 3000 PC node

PART

51403776-100

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PRODUCT OVERVIEW

Honeywell 51403776-100 is an LCNP4-family Local Control Network interface board for a PC node. It provides the hardware path between the host computer and TDC 3000 LCN.

1

Connects a PC node to the Local Control Network

2

Provides the LCNP4 communication interface

3

Carries LCN A/B traffic

4

Supports the installed node software

SYSTEM COMPONENTS

Approved PC node

LCN A/B interface cabling

LCNP4 driver

Node configuration

TECHNICAL DATA

PARAMETER	VALUE
Board family	LCNP4; LCNP4M
Network function	LCN interface

PARAMETER	VALUE
Assembly	PC board

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TECHNICAL NOTE

Confirm the host platform and driver baseline, preserve A/B cable identity and verify the LCN node address after installation.

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

GUS node maintenance

Connects a PC node to the Local Control Network

LCN workstation communication

Provides the LCNP4 communication interface

PC-node repair

Carries LCN A/B traffic

Legacy operator-node restoration

Supports the installed node software

PRODUCT PRECAUTIONS

- 1 Verify the complete 51403776-100 marking and the assigned TDC 3000 PC node position before field work.
- 2 Isolate the applicable power, network and field energy before disconnecting 51403776-100.
- 3 Use ESD controls and protect the keyed connectors of 51403776-100 during handling.
- 4 Record the installed wiring, jumpers, node or channel assignment before replacement.
- 5 Confirm Approved PC node and LCN A/B interface cabling against the approved system configuration.
- 6 Restore 51403776-100 under controlled conditions and review the product-specific diagnostics.
- 7 Complete a functional test for gus node maintenance before production release.

ENGINEER FAQ

Q1 Which Approved PC node identity must be verified before fitting the 51403776-100 LCNP4/LCNP4M LCN Interface Board?

Match the complete 51403776-100 marking, assigned TDC 3000 PC node position and installed Approved PC node before work.

Q2 How should LCN A/B interface cabling be isolated before disconnecting the 51403776-100 LCNP4/LCNP4M LCN Interface Board?

Place the affected process in its approved maintenance state, isolate applicable energy and prove LCN A/B interface cabling safe before disconnection.

Q3 What as-found wiring record is required for the 51403776-100 LCNP4/LCNP4M LCN Interface Board in GUS node maintenance?

Record terminal identity, polarity, shields, jumpers, cable tags and the as-found diagnostic state for 51403776-100.

Q4 Which TDC 3000 PC node configuration must be checked when commissioning the 51403776-100 LCNP4/LCNP4M LCN Interface Board?

Verify the assigned channel, slot, node or interface and compare it with the approved TDC 3000 PC node configuration before enabling 51403776-100.

Q5 How can the 51403776-100 LCNP4/LCNP4M LCN Interface Board be function-tested for LCN workstation communication 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 51403776-100 LCNP4/LCNP4M LCN Interface Board stops performing its assigned system function?

Check seating, the matched Approved PC node, the condition of LCN A/B interface cabling and the model-specific diagnostics before replacing more hardware.

Q7 Can the 51403776-100 LCNP4/LCNP4M LCN Interface Board used for PC-node repair be transferred to another TDC 3000 PC node position without engineering review?

No. Confirm the hardware execution, connector scheme and approved TDC 3000 PC node configuration before transferring 51403776-100 to a different duty.

Q8 What evidence should be retained after the 51403776-100 LCNP4/LCNP4M LCN Interface Board returns to Legacy operator-node restoration service?

Retain the physical identification, as-left wiring or configuration, final diagnostics and controlled functional-test result for 51403776-100.

SOURCE Honeywell PC node hardware record | LCNP4 family

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