

INDUSTRIAL AUTOMATION PRODUCT

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.

| IDENTITY      | VERIFIED VALUE   |
|---------------|------------------|
| Manufacturer  | Honeywell        |
| System family | TDC 3000 PC node |
| Part number   | 51403776-100     |
| Country       | USA              |
| HS code       | 8537101190       |

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51403776-100

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Technical Specifications

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

| PARAMETER        | TECHNICAL VALUE |
|------------------|-----------------|
| Board family     | LCNP4; LCNP4M   |
| Network function | LCN interface   |
| Assembly         | PC board        |

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## System Role and Architecture

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.

**FUNCTION 1**

Connects a PC node to the Local Control Network

**FUNCTION 2**

Provides the LCNP4 communication interface

**FUNCTION 3**

Carries LCN A/B traffic

**FUNCTION 4**

Supports the installed node software

### Matched system components

- Approved PC node
- LCN A/B interface cabling
- LCNP4 driver
- Node configuration

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## Applications and Engineering Context

**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

**TECHNICAL NOTE**

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

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## Engineering 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.

### MANUFACTURER SOURCE RECORD

Honeywell PC node hardware record

LCNP4 family

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