

CE Multimode XLCNE2 Paddle Board

Honeywell 51305508-200 is a CE multimode XLCNE2 paddle board for a TDC 3000 LCN extender. It converts the installed LCN extension path to and from multimode fiber.

IDENTITY RECORD

MANUFACTURER Honeywell	FAMILY TDC 3000 LCN Extender
EXACT MODEL 51305508-200	PRIMARY DUTY Multimode LCN extension

APTER POWER SALES TEAM

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REFERENCE PURPOSE

- 1 Establish the exact product identity and installed-system boundary.
- 2 Summarize manufacturer-supported technical data without transferring values from a similar model.
- 3 Provide a compact engineering path for selection, replacement and controlled commissioning.
- 4 Link verified related Apter Power product pages for adjacent family hardware.

TECHNICAL DATA

Board type	XLCNE2 paddle board
Fiber mode	Multimode
Compliance version	CE
Connector style	ST
Network function	LCN extension
Path arrangement	Engineered A/B pair

ENGINEERING NOTE

Verify the CE multimode execution, optical-connector cleanliness and assigned A/B position. Do not interchange this board with a single-mode execution or an LCNE2 predecessor without an approved engineering review.

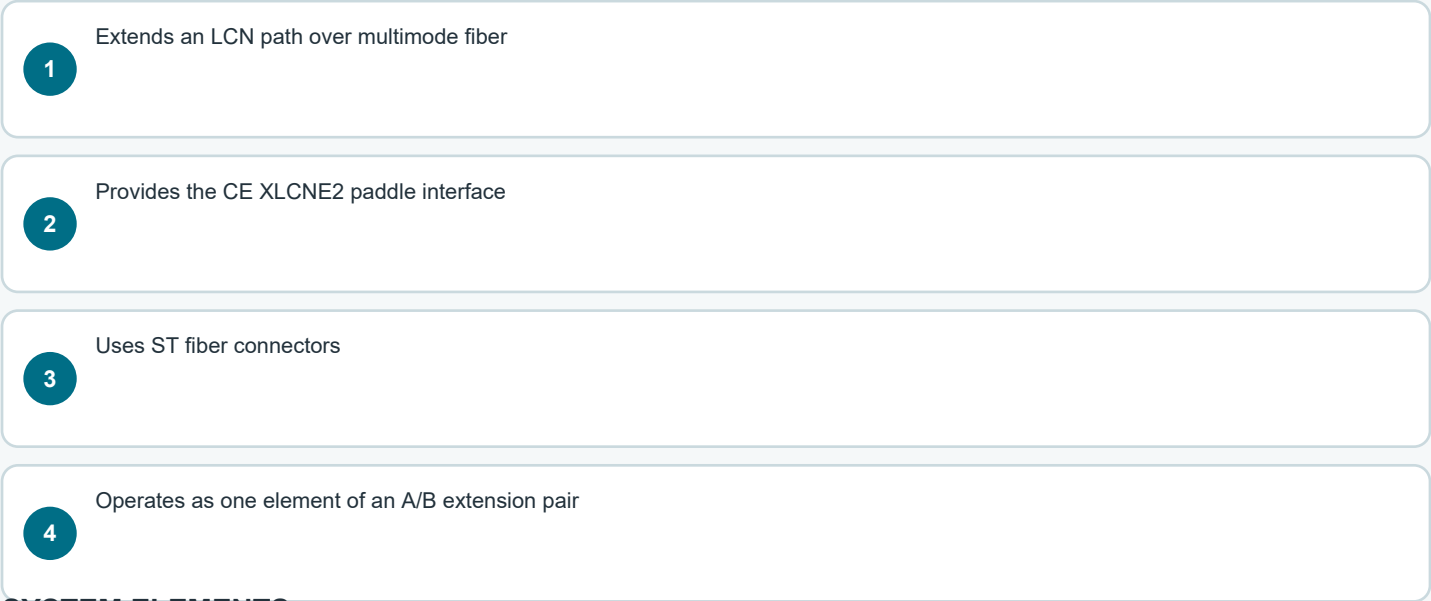
TECHNICAL VERIFICATION MATRIX

Identity control	Full model marking 51305508-200 and installed execution
Host-system boundary	TDC 3000 LCN Extender
Companion hardware	XLCNE2 hub hardware / ST multimode fiber
Acceptance evidence	Documented multimode lcn extension functional result

MANUFACTURER SOURCE RECORD

Honeywell XLCNE2 hardware record | 51305508-200

FUNCTIONAL PATH



SYSTEM ELEMENTS



APPLICATION BOUNDARIES

Multimode LCN extension	Extends an LCN path over multimode fiber
Remote node fiber links	Provides the CE XLCNE2 paddle interface
XLCNE2 board replacement	Uses ST fiber connectors
Legacy network modernization	Operates as one element of an A/B extension pair

CONTROLLED WORK SEQUENCE

1

Verify the complete 51305508-200 marking, hardware execution and assigned TDC 3000 LCN Extender position.

2

Place the process in the approved maintenance state and isolate every applicable energy source.

3

Record as-found wiring, shields, jumpers, cable tags, slot identity and diagnostics before removing 51305508-200.

4

Use ESD controls and protect keyed connectors, terminals and assemblies while handling 51305508-200.

5

Confirm the installed XLCNE2 hub hardware and ST multimode fiber against approved drawings and configuration records.

6

Inspect mating hardware, terminal condition, grounding and mechanical retention before installation.

7

Restore power or network service in controlled stages; confirm status indications before functional commands.

8

Complete a documented functional test for multimode lcn extension and retain the as-left record.

DIAGNOSTIC DECISION GATE

If the expected response is absent, do not immediately transfer configuration or replace adjacent hardware. Recheck identity, seating, supply or network state, terminations, channel assignment and manufacturer diagnostics; then repeat the controlled test.

Related family pages, engineer FAQ and source record

Related TDC 3000 LCN Extender products on Apter Power

MODEL	SERIES / SYSTEM ROLE	APTER POWER PAGE
51304540-200	EC-compatible LCNE2 LCN extender board	Open product page
51304542-100	KLCN_CA LCN A cable interface converter	Open product page
51304544-100	KLCN_CB LCN B cable interface converter	Open product page
K2LCN-8	TPS node processor board with LCN interface	Open product page
K4LCN-8 51401551-801	Honeywell LCN node processor hardware	Open product page

ENGINEER FAQ

Q1	What must be matched before installation?	Match the full 51305508-200 marking, revision or execution, assigned position and installed companion hardware.
Q2	What should be isolated first?	Use the site's approved maintenance state and isolate the energy sources serving XLCNE2 hub hardware and ST multimode fiber.
Q3	What as-found record is required?	Record terminal identity, polarity, shields, jumpers, cable tags, configuration and diagnostic status.
Q4	Which compatibility check is mandatory?	Compare the TDC 3000 LCN Extender slot, interface, companion hardware and wiring scheme with approved project documentation.
Q5	How should commissioning begin?	Begin with visual and continuity checks, then restore service in stages and observe normal status indications.
Q6	How should the assigned function be proved?	Use a controlled test for multimode lcn extension while required interlocks and process safeguards remain effective.
Q7	What should be checked after an abnormal result?	Recheck seating, terminations, supply or network condition, channel assignment and manufacturer diagnostics before further replacement.
Q8	What evidence should be retained?	Retain the 51305508-200 identity, as-left wiring/configuration, final diagnostics and functional-test result.

MANUFACTURER SOURCE RECORD

Honeywell XLCNE2 hardware record | 51305508-200