

MANUFACTURER-SOURCE TECHNICAL REFERENCE

Honeywell 51401583-100

Product Reference

enhanced process network interface board

DOCUMENT SCOPE

Independent Apter Power manual limited to verified identity evidence and any directly relevant Honeywell sources listed in this document. No product photograph is included.

Product / lookup identity	Honeywell 51401583-100
Reference number	51401583-100
Document basis	Published Honeywell product records, PDFs, and manuals listed on page 3



Product page

<https://www.apterpower.com/Honeywell/51401583-100>
Apter Power contact

sales13@apterpower.com | +86 180 3023 5313

Product role and published parameters

WHAT IT IS, WHAT IT DOES, AND WHERE IT FITS

Honeywell 51401583-100 is an Enhanced Process Network Interface board for documented TDC 3000 Multinode configurations. Use 51401583-100 only with the exact host, rack or chassis, terminal hardware, cable and project configuration specified for the installed system. System context: enhanced process network interface board.

Published field	Manufacturer-published value or verified identity note
Part number	51401583-100
Board type	Enhanced Process Network Interface
Abbreviation	EPNI
System family	Honeywell TDC 3000 / Multinode
Verification Status	Verified Product Reference

System function and signal path

01	System Inputs: enhanced process network interface board
02	Processing: Use 51401583-100 only with the exact host, rack or chassis, terminal hardware, cable and project configuration specified for the installed system.

Applications and answers

1 Installed-base maintenance: Supports identification and maintenance planning for Honeywell 51401583-100.

2 Compatibility review: Compares the exact hardware, host, rack or chassis, terminal assembly, cable and revision before replacement.

3 Installation planning: Defines the isolation, mounting, wiring and configuration checks required before field work.

4 Commissioning and troubleshooting: Supports controlled power, communication, channel, diagnostic and alarm checks after work.

Frequently asked questions

How do I confirm compatibility with the installed system?	Match the complete model and part number, host system, rack or chassis, terminal assembly, cable, firmware and project documentation.
What should be checked before ordering a replacement?	Provide clear nameplate photos and verify the installed slot, connector, terminal hardware, field wiring and required revision.
Can a similar Honeywell or related model be used as a direct replacement?	Only when the manufacturer documentation and the installed project explicitly approve that exact substitution.
What must be checked before installation?	Confirm isolation, power, keying, mounting, connector orientation, cable code, wiring polarity and the latest configuration backup.
Can the product be installed or removed while energized?	Follow the exact hardware manual and site procedure; otherwise de-energize the circuit before handling the hardware or field wiring.
How should wiring and termination be verified?	Compare every conductor, shield, polarity, terminal number and field supply with the approved drawings before moving any wire.