

APTER POWER PRODUCT GUIDE

NISA-03

DDCS/ISA Adapter Board

ABB NISA-03 is a DDCS interface board for an ISA-bus computer used with ABB DriveWare tools. It connects the engineering computer to the optical DDCS drive network.

Manufacturer	ABB
Model	NISA-03
Product type	DDCS/ISA Adapter Board
Product family	ABB DriveWare / DDCS
Country	Sweden
HS code	8537101190
Shipping origin	Xiamen, Fujian, China

APTER POWER SALES TEAM

INDUSTRIAL AUTOMATION PRODUCT SUPPORT

Three interface paths, one controlled configuration.

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SCAN FOR PRODUCT & QUOTE

1. Installation identity and system fit

- ISA-bus computer
- ABB DriveWare software
- NDBU-85/95 branching unit
- DDCS optical fiber

Controlled configuration

Complete model	NISA-03
Product type	DDCS/ISA Adapter Board
System family	ABB DriveWare / DDCS

2. Wiring, configuration and commissioning

- 1 Reserve the selected I/O range before installation.
- 2 Power down the computer before inserting the ISA board.
- 3 Observe transmitter-to-receiver orientation on each fiber.
- 4 Confirm DDCS communication before drive parameter work.

Commissioning hold point

Important Notice: NISA-03 requires an ISA slot, a conflict-free hardware I/O range and the correctly oriented DDCS optical path.

3. Application and functional verification

Legacy DriveWindow commissioning

Provides an ISA-to-DDCS communication path

ABB drive diagnostics

Connects DriveWindow-class tools to ABB drives

DDCS network service

Supports optical branching through NDBU hardware

Multi-drive engineering access

Uses hardware address selection for computer integration

Associated system components

- ISA-bus computer
- ABB DriveWare software
- NDBU-85/95 branching unit
- DDCS optical fiber

4. Maintenance and replacement record

How should NISA-03 fiber pairs be connected?

Connect each transmitter to the downstream receiver and each receiver to the upstream transmitter.

What must be checked before installing NISA-03?

Confirm ISA availability, I/O-range freedom, driver installation and ESD controls.

How is NISA-03 commissioned?

Verify driver recognition, board resources and stable DDCS communication before opening drive parameters.

Can NISA-03 be replaced by a PCI or USB adapter without changes?

No. Computer bus, driver and DDCS topology compatibility require an engineered migration.

Official source

ABB DriveWare SP 0407 ReadMe and NDBU-85/95 configuration instructions
<https://library.e.abb.com/public/06606637591cf06ac2256ec2002811ab/ReadMe.pdf>

ASK FOR QUOTE

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