APTER POWER
INDUSTRIAL AUTOMATION

MANUFACTURER-SOURCE TECHNICAL REFERENCE

ABB SPNIS21

SPNIS21 Evidence-Bounded Product Information Manual

ABB SPNIS21 SPNIS21 network interface module

DOCUMENT SCOPE

Independent Apter Power manual compiled only from the cited ABB manufacturer sources. No product photograph is included.

Product / lookup identity	ABB SPNIS21
Reference number	SPNIS21
Document basis	Published ABB product records, PDFs, and manuals listed on page 3

Product page

https://www.apterpower.com/ABB/spnis21

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Workflow and system context

ABB SPNIS21 is a Symphony Plus HR Series network interface module. It provides the intelligent link between a node and Cnet so that nodes on the control network can communicate.

01	System Inputs: Cnet node traffic at the configured 10 MHz or 2 MHz Cnet rate.
02	Processing: Provides the intelligent Cnet-facing interface between a node and the control network.
03	Outputs: Network traffic to or from the paired communication-interface node and SPNPM22.
04	Communications: Cnet; works in conjunction with SPNPM22 for Cnet-to-Controlway/HCU communication.
05	Boundary: SPNIS21 is not SPNPM22 and is not an INNIS21 alias. No Ethernet, memory, USB, weight, or trade values may be imported from companion or predecessor models.

Published context and boundaries

01	Do not merge SPNIS21 with INNIS21; retain separate model and canonical identities.
02	Do not merge SPNIS21 with SPNPM22; they are companion modules with different functions.
03	Verify the exact rack, Cnet rate, SPNPM22 partner, cable, termination, firmware, and project topology before replacement.

Verification and release checks

01	Verify SPNIS21 on the complete physical nameplate; do not treat INNIS21 or SPNPM22 as aliases.
02	Back up applicable controller, node, and network configuration before disturbing the communication interface.
03	Confirm the paired SPNPM22, Cnet rate, node address, rack slots, cables, termination units, and firmware against ABB project documents.
04	Use qualified ESD handling and the approved isolation/outage procedure before removing a rack module.
05	Do not connect or commission the module as a generic Ethernet device; ABB documents Cnet, not an Ethernet port, for SPNIS21.
06	If migrating from INNIS21, verify the complete form/fit/function migration scope and any required companion changes; do not mix generations by assumption.

Identity and release controls

Verification Status	Verified Exact Model And Current Catalog Function

Official ABB sources

ABB Ability Symphony Plus Product Catalog Rev G	https://library.e.abb.com/public/67f6b20f64d0443da36258e62a597791/2VAA005340%20en%20G%20Symphony%20Plus%20Product%20Catalog.pdf
ABB Harmony lifecycle presentation, February 2017	https://library.e.abb.com/public/68e694fd1f5743ba949fbae1859ee3ac/02%20ABB%20Users%20Group%20Anchorage%20Harmony.pdf
ABB IndustrialIT System 800xA Harmony Overview	https://library.e.abb.com/public/02624f56a7220a5ec1257647007117ee/3BUS094398_L_H_en_System_800xA_5.0_Harmony_Overview_lores.pdf
ABB Care Canada communication upgrades	https://new.abb.com/process-automation/energy-industries/service/abb-care-loyalty-offers/canada