

MANUFACTURER-SOURCE TECHNICAL REFERENCE

ABB SPNPM22

SPNPM22 Evidence-Bounded Product Information Manual

ABB SPNPM22 SPNPM22 network processing module

DOCUMENT SCOPE

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

Product / lookup identity	ABB SPNPM22
Reference number	SPNPM22
Document basis	Published ABB product records, PDFs, and manuals listed on page 3

**Product page**

<https://www.apterpower.com/ABB/spnpm22>

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Workflow and system context

ABB SPNPM22 is a Symphony Plus HR Series network processing module. The module holds the Harmony control unit database and directs communication between modules residing on Controlway and the paired SPNIS21.

01	System Inputs: Communication data from Harmony modules on Controlway and from the paired SPNIS21/Cnet interface.
02	Processing: Maintains the HCU database and directs communication between Controlway modules and SPNIS21.
03	Outputs: Processed network communication toward Cnet through SPNIS21 and toward Harmony modules over Controlway.
04	Communications: Controlway at 1 Mbaud, Modulebus at 83.3 kbaud, plus one mini-USB diagnostic port.
05	Boundary: SPNPM22 is not a field I/O module, SPNIS21 alias, or INNPM22 alias. Ethernet must not be claimed.

Published context and boundaries

01	Do not merge SPNPM22 with INNPM22; preserve distinct model and canonical identities.
02	Do not merge SPNPM22 with SPNIS21; the modules are functional companions.
03	Verify paired SPNIS21, HCU database backup, rack, firmware, Controlway/Modulebus context, and project redundancy design.

Verification and release checks

01	Verify the complete SPNPM22 nameplate and do not treat INNPM22 or SPNIS21 as aliases.
02	Back up the HCU database and applicable controller/network configuration before replacement or firmware work.
03	Confirm the paired SPNIS21, rack slots, +5 V logic power, firmware, Controlway/Modulebus configuration, and redundancy design.
04	Use qualified ESD handling and the approved outage, failover, and rollback procedure.
05	Do not connect the mini-USB diagnostic port as an ordinary production network interface.
06	Do not claim Ethernet communication; ABB documents Controlway, Modulebus, Cnet through SPNIS21, and a diagnostic mini-USB port.

Identity and release controls

Verification Status	Verified Exact Model And Current Catalog Function
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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/68e694df5743ba949fbae1859ee3ac/02%20ABB%20Users%20Group%20Anchor%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