

MANUFACTURER-SOURCE TECHNICAL REFERENCE

ABB INNIS21

Product Reference

ABB INNIS21 INFI-NET 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 INNIS21
Reference number	INNIS21
Document basis	Published ABB product records, PDFs, and manuals listed on page 3



Product page

<https://www.apterpower.com/ABB/ABB-Bailey-Infi-90-and-Net-90/Infi-90/innis21>
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Product role and published parameters

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

ABB INNIS21 is an INFI-NET network interface module for Bailey INFI 90 and Harmony Rack communication architectures. ABB documents INNIS21 with INNPM22 in the newer process-control-unit communication generation. System context: ABB INNIS21 INFI-NET Network Interface Module.

Published field	Manufacturer-published value or verified identity note
Function	INFI-NET to node communication interface
Documented companion	INNPM22 in the newer process control unit architecture
Network termination context	NTCL01 in ABB evolution diagrams
Network media context	Project-dependent twinaxial or coaxial cabling through the documented termination architecture
Replacement context	ABB describes newer communication modules as form, fit, and functional replacements for predecessors
Exact speed / connector / power / environment	HOLD - not established from exact INNIS21 model evidence reviewed here
Lifecycle / origin / HS / dimensions / weight	HOLD - exact current ABB evidence not found

System function and signal path

01	System Inputs: INFI-NET network frames and node communication data from the associated processing module.
02	Processing: Provides the network-interface function for the process control unit; companion processing is associated with INNPM22 in ABB's documented architecture.
03	Outputs: Network traffic toward INFI-NET and node-side communication toward the companion processing module.
04	Communications: INFI-NET network interface through project-specific NTCL01 and twinaxial/coaxial media context.

Applications, answers, and official sources

- 1 **Process control unit networking:** Provides the INFI-NET interface for a control-system node working with its documented processing companion.
- 2 **Peer and system data exchange:** Carries node communication and exception-report traffic within the installed ABB network architecture.
- 3 **Legacy communication maintenance:** Supports installed INFI-NET systems where node identity, media, termination, and firmware must be preserved.
- 4 **Communication evolution projects:** Supports engineered replacement of earlier NIS generations or migration toward newer ABB network interfaces after topology review.

Frequently asked questions

What is ABB INNIS21?	It is an INFI-NET to node communication interface module.
Is INNIS21 a process controller?	No. It provides a network-interface role in the process control unit architecture.
Which companion module does ABB document?	INNPM22.
Which termination unit appears in ABB evolution diagrams?	NTCL01.
Which network media are shown in ABB planning material?	Project-dependent twinaxial and coaxial network cabling.
Does ABB describe a replacement relationship?	Yes. ABB states that newer communication modules provide form, fit, and functional replacement for predecessors.

Official ABB sources

ABB System 800xA Harmony Overview	https://library.e.abb.com/public/02624f56a7220a5ec1257647007117ee/3BUS094398_L_H_en_System_800xA_5.0_Harmony_Overview_lores.pdf
ABB Symphony Plus Overview	https://library.e.abb.com/public/6accbfc76dbae885257a8c00660057/3BUS095666_Symphony_Plus_Overview.pdf
ABB Symphony evolution planning considerations Part B	https://library.e.abb.com/public/5aec442aca624ac5820915db549c78fc/3BUS095560_en_-_Symphony_Roadmap_Part_B.pdf
ABB INFI 90 evolution planning considerations Part A	https://library.e.abb.com/public/439dd66238ae5509852579c90051e404/3BUS095560_en_-_Evolution_planning_considerations_INFI_90_r1_Part_A.pdf
ABB Kickstart 2025 OEM repair promotion	https://library.e.abb.com/public/0dbf939ea74d4b07b739fe0d57c4d715/Kickstart%202025%204HZG000076%20Rev%20A.pdf