

MANUFACTURER-SOURCE TECHNICAL REFERENCE

ABB IMMPIO1

IMMPIO1 Evidence-Bounded Product Information Manual

ABB IMMPIO1 IMMPIO1 Multifunction Processor 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 IMMPIO1
Reference number	IMMPIO1
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/immpio1>
Apter Power contact

sales13@apterpower.com | +86 180 3023 5313

Workflow and system context

ABB IMMPIO1 is a Harmony Rack Multifunction Processor Interface Module that handles the I/O interface between a host computer and an INICT03A Computer Transfer Module. The module passes host-computer data to and from INICT03A so the computer-transfer interface can exchange system information with the installed Harmony/Cnet architecture.

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| 01 | System Inputs: Host-computer RS-232-C or SCSI traffic and companion data from INICT03A. |
| 02 | Processing: Microprocessor-based communication handling and interface conversion between the host and INICT03A. |
| 03 | Outputs: Computer-transfer data toward INICT03A and host responses toward RS-232-C/SCSI. |
| 04 | Communications: Two RS-232-C ports through NTMP01, one faceplate SCSI port, and a ribbon cable to INICT03A. |
| 05 | Boundary: IMMPIO1 does not execute the plant control strategy and is not the same as IMMFP01/02/03/12. |

Published context and boundaries

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| 01 | Do not describe IMMPIO1 as an IMMFP controller; it is a communications interface used with INICT03A. |
| 02 | Confirm INICT03A rather than INICT12, exact ribbon cable, NTMP01, port mode and host software. |
| 03 | Do not use YIMMPIO1 repair material as the base order code. |

Verification and release checks

01	Update product ID 774765 in place and preserve the current public canonical.
02	Verify IMMPIO1 rather than an IMMFP controller or INICT transfer module.
03	Back up host configuration, point mapping, drivers and interface settings.
04	Confirm INICT03A revision, ribbon cable, NTMP01, DCE/DTE mode and handshake jumpers.
05	Power down and follow ABB/site ESD and module insertion/removal procedures.
06	Do not hot-connect legacy SCSI or RS-232-C interfaces unless the exact ABB procedure permits it.

Identity and release controls

Verification Status	VERIFIED_EXACT_MODEL_FUNCTION_AND_PRIMARY_COMPANIONS
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Official ABB sources

ABB Harmony Rack Communications Coupler Product Overview	https://library.e.abb.com/public/064d6092d27323a7c1256e40007d6dbd/WBPPEUS250002C1-waste_-_en_Harmony_Rack_Communications_Coupler_Product_Overview.pdf
ABB Harmony Rack Communications Data Sheet	https://library.e.abb.com/public/243d4ad3042525c0c1256d12005fc65b/WBPPEUD250001C1_-_en_Harmony_Rack_Communications_Data_Sheet.pdf
ABB OEM Repair Services list	https://library.e.abb.com/public/4c822dce248c4737ac45303676664a39/Nobody_Does_It_Better_OEM_Repairs.pdf