

MANUFACTURER-SOURCE TECHNICAL REFERENCE

ABB PM581-ETH 1SAP140100R0170

PM581-ETH 1SAP140100R0170 Evidence-Bounded Product Information Manual

ABB AC500 Ethernet CPU module

DOCUMENT SCOPE

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

Product / lookup identity	ABB PM581-ETH 1SAP140100R0170
Reference number	1SAP140100R0170
Document basis	Published ABB product records, PDFs, and manuals listed on page 3

**Product page**

<https://www.apterpower.com/ABB/1sap140100r0170>
Apter Power contact

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Workflow and system context

ABB PM581-ETH ISAP140100R0170 is an evidence-bounded AC500 Ethernet CPU module. System role: It executes AC500 control applications and provides integrated Ethernet communication in the documented terminal-base architecture.

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| 01 | System Inputs: It executes AC500 control applications and provides integrated Ethernet communication in the documented terminal-base architecture. |
| 02 | Processing: Verify the exact TB521-ETH base, firmware, communication settings, I/O configuration and migration plan before replacement. |

Published context and boundaries

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|----|---|
| 01 | Verify the complete ABB PM581-ETH ISAP140100R0170 physical label and installed-system documentation before use. |
| 02 | ABB catalog editions publish different instruction-cycle figures, so this page does not present one edition's timing as a universal rating. |
| 03 | Origin and HS code remain unpublished unless an exact manufacturer record or the physical package label establishes them. |

Verification and release checks

01	Verify the complete ABB PM581-ETH ISAPI40I00R0170 label, revision and installed-system documentation before use.
02	ABB catalog editions publish different instruction-cycle figures, so this page does not present one edition's timing as a universal rating.
03	De-energize the equipment and follow the site's approved electrical and process-safety procedure before disturbing hardware or wiring.
04	Back up controller, drive, network and configuration data before replacement, migration or firmware work.
05	Verify every companion module, cable, connector, termination and power source from approved drawings.
06	Do not copy electrical, communication, mechanical or lifecycle values from a related model or successor.

Identity and release controls

Verification Status	Verified Exact Model And Order Id
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Official ABB sources

ABB AC500 product catalog	https://library.e.abb.com/public/00a8edb491824cd98a8a07968864175d/ISDC02300ID0901.pdf
ABB AC500 lifecycle statement	https://library.e.abb.com/public/c013b2cbbcd6420ea3aaa26b3ea1b0fb/3ADR025089K0201_Lifecycle_Statement_AC500_CPU_CM_TB_Obsolete_2012-12-13.pdf
ABB First Step with AC500 on Ethernet	https://library.e.abb.com/public/98c46ce5293e4c9dbd39d4dbf46ad7e2/Step8_First_Step_with_AC500_on_Ethernet.pdf
ABB AC500 MTBF calculation	https://library.e.abb.com/public/55df5ddcc14e49f3b79f7260efd1b1dc/3ADR020160K0201_MTBf-AC500-S500_2025-12-10.pdf