DATA SHEET

Networks
ABB Ability™ System 800xA® hardware selector



ABB offers high-performance industrial Ethernet routers with firewall functionality.
The routers also support the Redundant Network Routing Protocol (RNRP). Current NEOS Version: 4.31.0-r1 (August 2025).

Here you can choose and compare hardware at a glance, filter according to needs, and download PDF outlines for a product area or export individual data sheets.

The network equipment has the following general features:
- Pre-configured for use with System 800xA
- Enhanced monitoring using PNSM
- Long life duration
- Fully supported by ABB

For updated information regarding this hardware please visit our Hardware Selector. In the hardware selector, you can compare different controllers, communication interfaces, I/O systems, I/O module termination units, network equipment, panels, power supplies & voters. Print your own PDF files or save an outline of all modules in the product area.

Below is an outline of the range of different network products available.





Specific feature [1]	NE870	NE871
General info		
Article number	3BSE080239R1	3BSE080240R1
Ethernet TX 10/100	8 ports	-
Ethernet TX 10/100/1000	3 ports	
Ethernet SFP	-	
Network redundancy	Redundant Network Routing Protocol (RNRP)	
Managed	Router	
Mounting	DIN	
Layer	Layer 3 routing – RNRP	
Firewall	Yes	
Dimensions		
Dimension (WxHxD)	134 x 100 x 122 mm	
Weight	1.5 kg	
Environment and certification		
RoHS compliance	EU RoHS, UAE RoHS, CN RoHS	
WEEE compliance	DIRECTIVE/2012/19/EU	

[1] For detailed information on each module, please visit: **800xahardwareselector.automation.abb.com**

solutions.abb/800xA
solutions.abb/controlsystems

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