

Communications - AC 800M

System 800xA hardware selector



AC 800M is a family of rail-mounted modules, consisting of CPUs, communication modules, power supply modules and various accessories. There are several CPU modules to choose from, ranging from single units with medium processing power and memory to fully redundant units with high processing power.

The AC 800M family does also include IEC 61508-SIL3 certified controllers PM857, PM863, PM865 and PM867, which supports controller configurations for:

- Safety application
- Combined Process Automation and Safety application

For updated information regarding System 800xA hardware please visit our 800xA Hardware Selector. In the selector you can compare different communication modules, AC 800M controllers, S800 IO modules, module termination units, 800xA networks equipment, power supplies and voters, panels and also print your own PDF files.

www.800xahardwareselector.com



Specific feature ¹	CI853	CI854A Classic	CI854B	CI855
General info				
Protocol	COMLI and MODBUS RTU	PROFIBUS DP-V1		ABB's MasterBus 300
Article number	3BSE018103R1 (CI853K01)	3BSE030220R1 (CI854AK01)	3BSE069449R1 (CI854BK01)	3BSE018106R1
Master or slave	Master / Slave	Master		
Number of channels	2			
Transmission speed	75 - 19 200 b/s	9.6 - 12 000 kbit/s		10 Mbit/s, 200 Datasets/s
Line redundancy	Yes			No
Module redundancy	Yes			No
Hot Swap	Yes			
Used together with HI Controller	Yes			
Life cycle status		Classic		
Dimensions				
Height	185 mm (7.3 in.)			
Width	59 mm (2.3 in.)			
Depth	127.5 mm (5.0 in.)			
Weight (including base)	700 g (1.5 lbs)			
Environment and certification				
RoHS compliance	DIRECTIVE/2011/65/EU (EN 50581:2012)	-	DIRECTIVE/2011/65/EU (EN 50581:2012)	
WEEE compliance	DIRECTIVE/2012/19/EU			

¹ For detailed information on each module, please visit: 800xahardwareselector.com



Specific feature ¹	CI856	CI857	CI858	CI860
General info				
Protocol	ABB's S100 I/O	ABB's INSUM	ABB's DriveBus	FOUNDATION Fieldbus HSE
Article number	3BSE026055R1	3BSE018144R1	3BSE018135R1	3BSE032444R1
Master or slave	Master			Master / Slave
Transmission speed	-	10 Mbit/s	8 Mbit/s	10/100 Mbit/s
Line redundancy	No			
Module redundancy	No			Yes
Hot Swap	Yes			
Used together with HI Controller	Yes		No	
Dimensions				
Height	185 mm (7.3 in.)			
Width	59 mm (2.3 in.)			
Depth	127.5 mm (5.0 in.)			
Weight (including base)	700 g (1.5 lbs)			
Environment and certification				
RoHS compliance	DIRECTIVE/2011/65/EU (EN 50581:2012)			
WEEE compliance	DIRECTIVE/2012/19/EU			

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Specific feature ¹	CI862 Classic	CI865	CI867	CI867A
General info				
Protocol	ABB's TRIO/Genius I/O	ABB's Satt I/O	MODBUS TCP	
Article number	3BUA000037R1	3BSE040795R1	3BSE043660R1	3BSE092689R1
Master or slave	Master		Master / Slave	
Number of channels			2 channels	1 channel
Transmission speed	-		10/100 Mbit/s (Ch1), 10 Mbit/s (Ch2)	10/100 Mbit/s (Ch1)
Line redundancy	No			
Module redundancy	Yes	No	Yes	
Hot Swap	Yes			
Used together with HI Controller	No		Yes	
Life cycle status	Classic			
Dimensions				
Height	185 mm (7.3 in.)			
Width	59 mm (2.3 in.)			
Depth	127.5 mm (5.0 in.)			
Weight (including base)	700 g (1.5 lbs)			
Environment and certification				
RoHS compliance	-	DIRECTIVE/2011/65/EU (EN 50581:2012)		
WEEE compliance	DIRECTIVE/2012/19/EU			

¹ For detailed information on each module, please visit: 800xahardwareselector.com



Specific feature ¹	CI868	CI868A	CI869	CI871
General info				
Protocol	IEC 61850		ABB's Advant Fieldbus 100	PROFINET IO
Article number	3BSE048845R1	3BSE092691R1	3BSE049110R1	3BSE056767R1
Master or slave			Slave	Master
Transmission speed	10/100 Mbit/s		1.5 Mbit/s	10/100 Mbit/s
Line redundancy			Yes	No
Module redundancy	No		Yes	
Hot Swap	Yes			
Used together with HI Controller	Yes			
Client or server	MMS (Client), Goose (Publisher & Subscriber)			
Network redundancy	No			
Dimensions				
Height	185 mm (7.3 in.)			
Width	59 mm (2.3 in.)			
Depth	127.5 mm (5.0 in.)			
Weight (including base)	700 g (1.5 lbs)			
Environment and certification				
RoHS compliance	DIRECTIVE/2011/65/EU (EN 50581:2012)		-	DIRECTIVE/2011/65/EU (EN 50581:2012)
WEEE compliance	DIRECTIVE/2012/19/EU			

¹ For detailed information on each module, please visit: 800xahardwareselector.com



Specific feature ¹	CI871A	CI873	CI873A	CI874
General info				
Protocol	PROFINET IO	EtherNet IP / DeviceNet		OPC UA Client
Article number	3BSE092693R1	3BSE056899R1	3BSE092695R1	3BSE090784R1
Master or slave	Master			
Transmission speed	10/100 Mbit/s			
Line redundancy	No			
Module redundancy	Yes			
Hot Swap	Yes			
Used together with H1 Controller	Yes			No
Client or server				Client
Dimensions				
Height	185 mm (7.3 in.)			
Width	59 mm (2.3 in.)			
Depth	127.5 mm (5.0 in.)			
Weight (including base)	700 g (1.5 lbs)			
Environment and certification				
RoHS compliance	DIRECTIVE/2011/65/EU (EN 50581:2012)			
WEEE compliance	DIRECTIVE/2012/19/EU			

¹ For detailed information on each module, please visit: 800xahardwareselector.com

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