DATA SHEET

Communications - S100 I/O Communication interfaces

Compact Product Suite hardware selector

S100 I/O is a rack based I/O system used in the Advant Master and Advant MOD 300 installed base. The S100 I/O Communications hardware is Ethernet-based and makes it possible to connect to the installed S100 I/O when evolving Advant Controller 400 Series controllers to AC 800M controller.

For updated information regarding System 800xA please visit our 800xA Hardware Selector. In the HW-Selector, you can compare different communication modules, AC 800M controllers, S800 I/O modules, S900 I/O modules, Select I/O modules, module termination units, network equipment, panels, power supplies, and voters, and also print your PDF files or save an outline of all modules in the product area.

Below is an outline of the range of different S100 I/O communication interfaces available.

Specific feature [1]	CI846	CI846K01	CI846K02	CI846K11
General info				
Article number	2PAA125748R1	7PAA008865R1	7PAA008866R1	7PAA008867R1
Communication protocol	Ethernet			
Type	Ethernet FCI Module (S100 I/O)	Ethernet FCI Kit (Single S100 I/O for Advant Master)	Ethernet FCI Kit (Red S100 I/O for Advant Master)	Ethernet FCI Kit (Single S100 I/O for Advant MOD 300)
Master or slave	Slave			
SOE	Yes			
Line redundancy	Yes		Yes	
Network redundancy	Yes		Yes	
Module redundancy	Yes		Yes	
Hot swap	Yes			
High integrity	N/A			
Intrinsic safety	N/A			
Dimensions				
Width	30 mm			
Depth	122.3 mm			
Height	135 mm			
Weight (including base)	222 g			
Environment and certification				
RoHS compliance	Yes			
WEEE compliance	EU			

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

Specific feature [1]	CI846K12	TC810	TC811	TU866
General info				
Article number	7PAA008868R1	3BSE076220R1	3BSE078714R1	2PAA125749R1
Communication protocol	Ethernet			
Type	Ethernet FCI Kit (Red S100 I/O for Advant MOD 300)	Ethernet Adapter for copper media	Ethernet Adapter for fiber optic media	MTU for Ethernet FCI (S100 I/O)
Master or slave	Slave			Slave
SOE	Yes	N/A		
Line redundancy	Yes			
Network redundancy	Yes			
Module redundancy	Yes			
Hot swap		Yes		
High integrity	N/A			
Intrinsic safety	N/A			
HART		N/A		
Redundancy		Yes		
Mechanics		Select I/O		
Type of external output		100 Base-TX with RJ 45 (8P8C) connector	100 BASE-FX with LC connector	
Number of external ports		2		
Type of connecting cable		CAT 5, WG 22 or better	9/125 µm single mode fiber (1310 nm nominal wavelength)	
Maximum length of cable		100 m	27.5 km	
Mounting				DIN Rail (vertical mounting)
Dimensions				
Width		25 mm	24.5 mm	135 mm
Depth		76.3 mm	101.3 mm	210 mm
Height		110 mm		95.5 mm
Weight (including base)		105 g	161 g	605 g
Environment and certification				
RoHS compliance	Yes	EU RoHS, UAE RoHS, CN RoHS		Yes
WEEE compliance	EU			

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

Accessories

Specific feature [1]	TL810K01	TL811K01
General info		
Article number	3BSE088170R1	3BSE088171R1
Type	Empty slot protector for FCI	Empty slot protector for EA
Hot swap	Yes	
Mechanics	Select I/O	
Dimensions		
Width	134.5 mm (5.30 in.)	109.5 mm (4.31 in.)
Depth	38.5 mm (1.52 in.)	
Height	29 mm (1.14 in.)	24.5 mm (0.96 in.)
Weight (including base)	35.5 g (0.07 lbs)	23.8 g (0.05 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: **compacthardwareselector.automation.abb.com**

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