

# 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 <sup>1</sup>	TC810	TC811
<b>General info</b>		
Article number	3BSE076220R1	3BSE078714R1
Communication protocol	Ethernet	
Type	Ethernet Adapter for copper media	Ethernet Adapter for fiber optic media
HART	N/A	
SOE	N/A	
Redundancy	Yes	
Hot swap	Yes	
High integrity	N/A	
Intrinsic safety	N/A	
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
<b>Dimensions</b>		
Width	25 mm	24.5 mm
Depth	76.3 mm	101.3 mm
Height	110 mm	
Weight (including base)	105 g	161 g
<b>Environment and certification</b>		
RoHS compliance	EU RoHS, UAE RoHS, CN RoHS	
WEEE compliance	EU	

<sup>1</sup> For detailed information on each module, please visit: [compacthardwareselector.automation.abb.com](https://compacthardwareselector.automation.abb.com)

# Accessories



Specific feature <sup>1</sup>	TL810K01	TL811K01
<b>General info</b>		
Article number	3BSE088170R1	3BSE088171R1
Type	Empty slot protector for FCI	Empty slot protector for EA
Hot swap	Yes	
Mechanics	Select I/O	
<b>Dimensions</b>		
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)
<b>Environment and certification</b>		
RoHS compliance	DIRECTIVE/2011/65/EU (EN 50581:2012)	
WEEE compliance	DIRECTIVE/2012/19/EU	

<sup>1</sup> For detailed information on each module, please visit: [compacthardwareselector.automation.abb.com](https://compacthardwareselector.automation.abb.com)

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