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DATA SHEET

Communications - Select I/O Communication interfaces
Compact Product Suite hardware selector

Select I/O is an Ethernet networked, single channel granular I/O system for the ABB Ability™ System 800xA automation platform. The Select I/O Communications hardware is Ethernet-based.

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, networks 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 Select I/O communication interfaces available.

Specific feature [1]	CI845	HI880	TC810	TC811
General info				
Article number	3BSE075853R1	3BSE078701R1	3BSE076220R1	3BSE078714R1
Communication protocol	Ethernet		Ethernet	
Type	Ethernet FCI Module	HI Module for Ethernet FCI	Ethernet Adapter for copper media	Ethernet Adapter for fiber optic media
Master or slave	Slave			
HART	Yes	N/A		
SOE	Yes	N/A		
Redundancy	Yes	N/A	Yes	
Hot swap	Yes			
High integrity	N/A	Yes	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
Dimensions				
Width	30 mm	78.5 mm	25 mm	24.5 mm
Depth	121.7 mm	51.7 mm	76.3 mm	101.3 mm
Height	135 mm	19.5 mm	110 mm	
Weight (including base)	225 g	28 g	105 g	161 g
Environment and certification				
RoHS compliance	EU RoHS, UAE RoHS, CN RoHS			
WEEE compliance	EU			

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

Specific feature [1]	TU865
General info	
Article number	3BSE078712R1
Communication protocol	Ethernet
Type	MTU for Ethernet FCI (Select I/O)
Mechanics	Select I/O
Dimensions	
Width	135 mm
Depth	95.5 mm
Height	210 mm
Weight (including base)	500 g
Environment and certification	
RoHS compliance	EU RoHS, UAE RoHS, CN RoHS
WEEE compliance	EU

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

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