

# CI846K02

## ABB Ability™ System 800xA® hardware selector



### CI846K02 S100 Eth FCI Kit Red Master

S100 I/O Ethernet Fieldbus Communication Interface Kit for redundant configuration to Advant Master. TC810/TC811 Ethernet Adapter(s) are ordered separately. Mounting on vertical DIN-rail. Including: 2 pc CI846, 1 pc TU866.

TU866 additionally includes 1 pc TL866 S100 I/O cable empty slot protector for single S100 I/O configuration. TL866 is not required for redundant configuration.

The following information is to be provided:

- System ID (SID)
- Original 3BSX-number (printed on the program card), license serial number, or the original ABB Supplier order number for the Advant Controller 410/450 to which the existing S100 I/O is connected.

This product requires a Temporary Sales Approval.

## Features and benefits

Please refer to the datasheet for CI846 and TU866.

General info	
Article number	7PAA008866R1
Communication protocol	Ethernet
Type	Ethernet FCI Kit (Red S100 I/O for Advant Master)
Master or slave	Slave
SOE	Yes
Line redundancy	Yes
Network redundancy	Yes
Module redundancy	Yes
High integrity	N/A
Intrinsic safety	N/A

Environment and certification	
Temperature, Operating	-5 °C (23 °F) to +55 °C (131 °F)
Temperature, Storage	-5 °C (23 °F) to +55 °C (131 °F)
Pollution degree	Pollution Degree 2 acc. to IEC 60664-1
Relative humidity	5 to 95 %, non-condensation
Altitude	-1000 to 2000 m
Mechanical operating conditions	IEC 61131-2
EMC	IEC/EN 61000-6-4, IEC/EN 61000-6-2
Overvoltage categories	Category II acc. to IEC 60664-1
Equipment class	Class III acc. to IEC/EN 61010-2-201
Ingress protection	IP20 acc. to IEC 60529
CE-marking	Yes
UKCA	Yes
Electrical Safety	IEC/EN 61010-1 UL 61010-1 CSA-C22.2 No. 61010-1-12 IEC/EN 61010-2-201 UL 61010-2-201 CSA C22.2 No. 61010-2-201
Corrosive atmosphere	G3
RoHS compliance	Yes
WEEE compliance	EU

---

**[solutions.abb/800xA](https://solutions.abb/800xA)**  
**[solutions.abb/controlsystems](https://solutions.abb/controlsystems)**

---

800xA and Symphony Plus is a registered trademark of ABB. All rights to other trademarks reside with their respective owners.

We reserve the right to make technical changes to the products or modify the contents of this document without prior notice. With regard to purchase orders, the agreed particulars shall prevail. ABB does not assume any responsibility for any errors or incomplete information in this document.

We reserve all rights to this document and the items and images it contains. The reproduction, disclosure to third parties or the use of the content of this document – including parts thereof – are prohibited without ABB's prior written permission.

Copyright© 2025 ABB All rights reserved