

1280 Enterprise™ Series and 880 Universal and Panel Mount Indicators

Interface Option Card Installation

IMPORTANT

Due to a program change in this device, the SWAP parameter may need to be changed from NONE to BYTE or BYTE to NONE.

This change affects Ethernet/IP, PROFINET, PROFIBUS and DeviceNet.

See the 1280 technical manual (PN 167659) or the 880 technical manual (PN 158387) for complete instructions on opening the applicable indicator enclosure and the necessary ports for connecting to the CPU board.



Manuals and additional resources are available from the Rice Lake Weighing Systems website at www.ricelake.com

Warranty information can be found on the website at www.ricelake.com/warranties



WARNING

Always disconnect the power before opening an enclosure. Interface option cards are not hot swappable.



CAUTION

A grounding wrist strap must be worn to protect components from electrostatic discharge (ESD) when working inside an enclosure or controller assembly.

The interface option cards of the 1280 Enterprise Series and 880 universal and panel mount indicators share the same carrier board (PN 164756). The carrier board plugs into an open slot on the CPU board and provides power and access from the indicator bus to the module. The assembly steps of the carrier board and modules vary between the 1280, 880 universal mount, and 880 panel mount.

- 1280 interface option card kits are shipped with the module and the carrier board already assembled
- 880 interface option card kits are shipped with the module and carrier board separated
 - 880 universal mount module can be assembled to the carrier board before installing
 - 880 panel mount carrier board must be installed before assembling the module to the carrier board



Carrier Board



Carrier Board with Module

Figure 1. Interface Option Card Kit

The indicator automatically recognizes all installed option cards when the unit is powered on. No hardware-specific configuration is required to identify an installed card to the system.

See the corresponding module's Installation and Programming Manual for configuration and data commands:

Option Card	Manual Part No.	1280 Kit Part No.	880 Kit Part No.
Modbus® TCP	156782	165796	179161
DeviceNet®	156783	165793	179162
PROFIBUS DP	156784	165795	179163
EtherNet/IP™	156861	165792	179159
EtherCAT®	164394	179533	179158
PROFINET	156781	165794	179160

Table 1. Manual and Option Card Kit Part Numbers

1280 Installation Instructions

1. Disconnect power to the indicator.
2. See the 1280 technical manual (PN 167659) to gain access to the Controller Assembly box for the specific model.
3. Remove the screw securing the intended slot cover plate of the Controller Assembly box, set the slot cover plate aside and save the screw.
4. Mount the faceplate on module and slide module board assembly into place within the slot.
5. Secure the faceplate and module board assembly into place with the previously removed screw.



Interface cable is routed through a cord grip in Universal and Wall mount enclosures.

Alternately, a chassis mounted connect can be installed in the enclosure.

6. See 1280 technical manual to reinstall the Controller Assembly box.

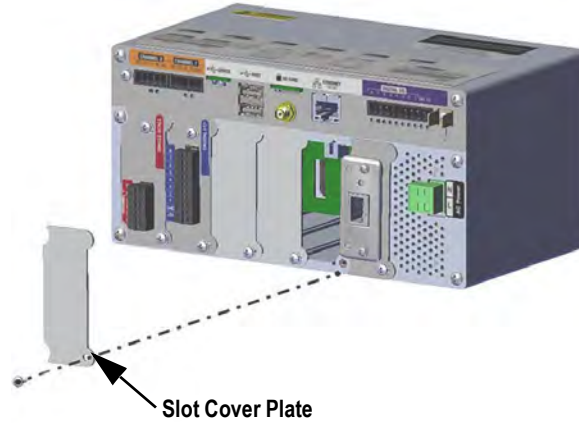


Figure 2. Existing Cover Plate Removal

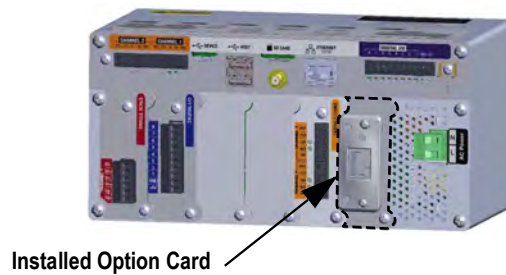


Figure 3. Installed Interface Option Card

880 Universal Installation Instructions

1. Disconnect power to the indicator.
2. Remove the backplate of the universal enclosure to access the CPU board.
3. Carefully slide the module into the J1 connector on the carrier board, ensuring that the pins of J1 are not bent.
4. Ensure that the module is fully seated in the carrier board with the board hooks on the bottom of the module aligned with the carrier board.
5. Tighten T9 Torx screws on the front of the module to lock the board clamps of the module to the carrier board.

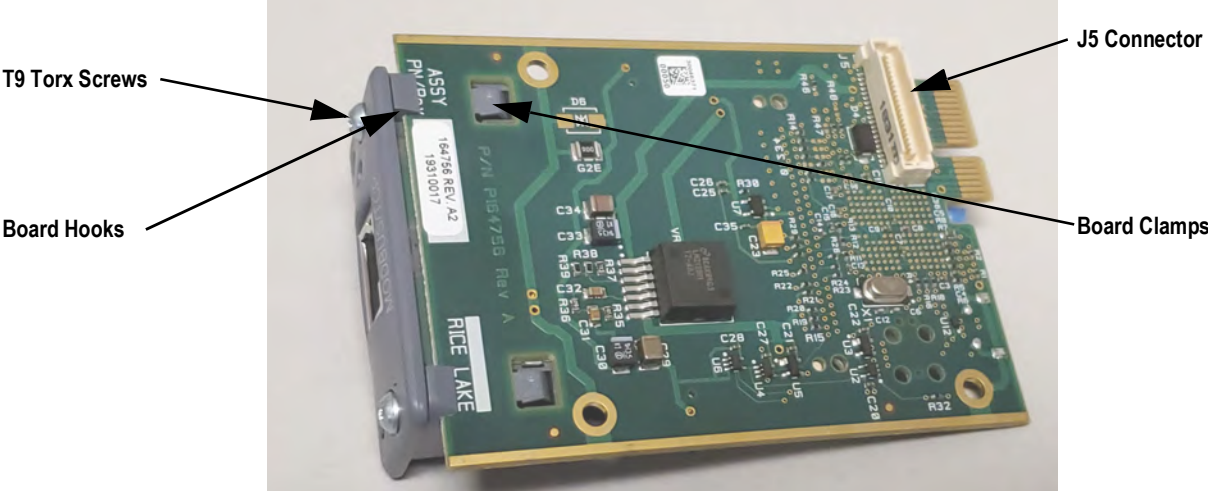


Figure 4. Bottom of Carrier Card with Module Installed



Screws are tightened with a T9 Torx bit.

If the module is not fully seated on the carrier board, the clamps will push the module away from the board rather than securing the board to the module. This can potentially cause damage to the connector.

6. Carefully align the J5 connector on the bottom of the carrier board with the J8 option card slot on the CPU board.
7. Press down on the carrier board with module until it is seated on the CPU board connector.
8. Use the screws provided in the option kit to secure the carrier board to the threaded standoffs on the CPU board (faceplate not needed).
9. Connect and properly run necessary cable.
10. Reinstall the enclosure backplate.

880 Panel Mount Installation Instructions

1. Disconnect power to the indicator.
2. Disconnect the display cable.
3. Remove the backplate of the panel mount enclosure to access the CPU board.
4. Carefully align the J5 connector on the bottom of the carrier board (module currently not attached) with J8 option card slot on the CPU board.
5. Press down on the carrier board until it is seated on the CPU board connector.
6. Use the screws provided in the option kit to secure the carrier board and faceplate to the threaded standoffs on the CPU board.
7. Carefully slide the module through the faceplate to the J1 connector on the carrier board, ensuring that the pins of J1 are not bent.
8. Ensure that the module is fully seated in the carrier board with the board hooks on the bottom of the module aligned with the carrier board.
9. Tighten T9 torx screws on the front of the module to lock the board clamps of the module to the carrier board.



Screws are tightened with a T9 Torx bit.

If the module is not fully seated on the carrier board, the clamps will push the module away from the board rather than securing the board to the module.

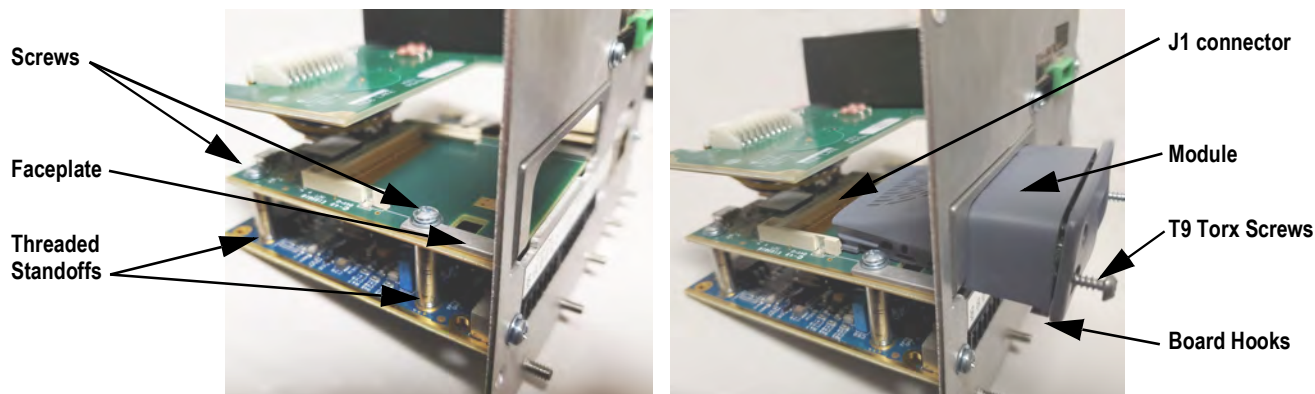


Figure 5. 880 Panel Mount Interface Option Card Installation

10. Reinstall the enclosure backplate
11. Reconnect the display cable.



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230 W. Coleman St. • Rice Lake, WI 54868 • USA
U.S. 800-472-6703 • Canada/Mexico 800-321-6703 • International 715-234-9171 • Europe +31 (0)26 472 1319