Figure 1: XFC<sup>G5</sup> Board

Figure 2: XRC<sup>G5</sup> Board

Additional information
Click or scan code for product publications:
XFC<sup>G5</sup>  XRC<sup>G5</sup>

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Safety and compliance information is included with the device in the shipping packaging.

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Required materials:
- One (1) solar panel with cable
- One (1) solar panel mounting kit (includes U-bolts, brackets, and hardware)
- Mounting pipe extension and coupling if required (length determined by technician depending on the size of the solar panel)
- Nylon tie wraps

IMPORTANT NOTE: Use PCCU32 software version 7.65 or newer to connect and configure XSeriesG5 devices. Ensure PCCU32 is already installed in the PC or laptop. PCCU32 has context-sensitive online help; Click Help on the screen of interest for details.

Install battery and charger
To operate the XFC or XRC in battery power mode, install the battery and solar panel charger as follows.

Install the battery
The battery mounts inside the flow computer enclosure. Before installation, inspect for damage both the power cables (where they terminate on the battery) and the connectors.

Required material:
- One (1) battery with cable attached

Install the battery:
1. Open the hinged door on the XFC or XRC. Locate the battery shelf.
2. Place the battery on the compartment shelf.

WARNING – Bodily injury. Do not connect the battery/charger or external power supply to the electronic board until all wiring is complete.

WARNING – Serious damage to health/risk to life: Do not allow the battery terminals to come in contact with any metal surface. This could result in sparks, property damage, and possible explosion.

Install the solar panel
The solar panel is designed to be mounted outdoors on a 2 inch pipe. After the flow computer is pipe-mounted, install the solar panel on the upper end of the mounting pipe. Add a pipe extension if necessary. For wall- or direct-mount installations, mount the solar panel on a stand-alone pipe or on the top or side of a meter house.

IMPORTANT NOTE: For best charging, place the solar panel in full sun all day. Clean the solar panel on a regular basis to ensure maximum charging.

Install the solar panel:
1. Connect the laptop or PC running PCCU32 to the flow computer with an MMI cable (RS-232) or a USB cable.
2. Start PCCU32.
3. Click the Setup icon on the PCCU toolbar, or click Configure > Setup-System Setup.
4. Define the local connection parameters:
   a. Under Communications, select Serial port.
   b. Under Connection Parameters, on the PCCU Com Port drop-down list, select the port on the PC or laptop assigned to the local connection.
   c. Click Close to exit connection setup and return to the main PCCU screen.
5. Click Exit on the top PCCU toolbar to establish connection.
6. Configure basic parameters or enable other communication interfaces.

Local communication using Ethernet
1. On the PCCU Entry mode navigation tree, select Communications > Ethernet.
2. Select the Network Adapter checkbox.
3. Click Send. Click OK to confirm.

IMPORTANT NOTE: Enabling Ethernet (Network Adapter) does not require a warm restart.

4. Connect the Ethernet cable from the laptop to the XFC or XRC.
5. Click Re-read to refresh the screen and verify that the Ethernet Status displays “Ready”.
6. Click Close to exit Entry mode and close serial connection.
7. To connect using Ethernet, click the Setup icon on the PCCU toolbar.
8. Under Communications, select TCP/IP.
9. Under Connection Parameters, type the IP address: 169.254.0.1.
10. Click Close to exit connection setup and return to the main PCCU screen.

XSERIES G5 QUICK START GUIDE| 2106141MNAA