

GPS Field Replaceable Unit Module

This chapter contains the following sections:

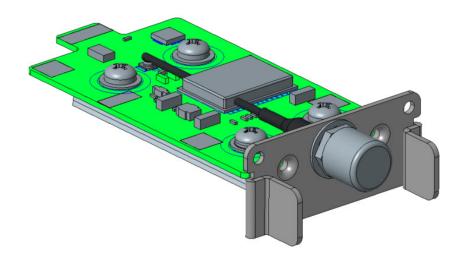
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Overview of the GPS FRU Module

The IR1833 and IR1835 have a slot for a dedicated GPS field-replaceable unit (FRU) module, which will be used in addition to the one integrated in the LTE module, for more accurate dead reckoning performance. The part number is IRM-GNSS-ADR.

The following figure shows a GPS FRU module.

Figure 1: GPS FRU Module



The IRM-GNSS-ADR hardware is capable of supporting various GNSS constellations. Cisco supports GPS only on this module with IOS XE release 17.7.1. Please inquire with your sales representative for a roadmap of support of additional constellations on the IRM-GNSS-ADR module.

Further details on the GPS capabilities can be found in the Cisco Catalyst IR1800 Rugged Series Router Software Configuration Guide.

Installation and Removal of a GPS FRU Module



Caution

The module is a FRU, but is not hot swappable. Make sure the device is powered down before replacing.

Procedure

Step 1 Remove the protective cover over the GPS slot by removing the two screws (1) using a Phillips driver, as shown in the following figure. Retain these two screws for further use.

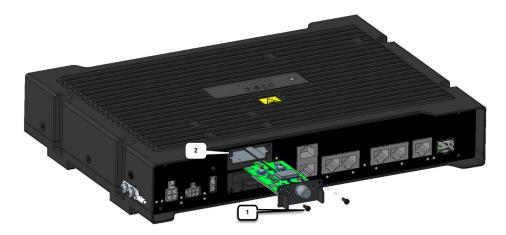
Figure 2: GPS Slot Cover



1 Screws

Step 2 Insert the GPS FRU module into the slot in the device.

Figure 3: GPS Module Insertion



1	Screws
2	Screw holes

- Step 3 Align the previously removed screws (1), with the screw holes (2), and tighten to 2-3 in-lb (0.2-0.3 Newton meter).
- **Step 4** The installation is now complete.
- **Step 5** To remove the module, reverse the steps:
 - a. Power off the device.
 - **b.** Remove the screws.
 - **c.** Pull out the module.

Installation and Removal of a GPS FRU Module