



Figure 6 – CSC Controller

There are two versions of the CSC module, “master” and “slave”. The fundamental difference being the master CSC has a single RJ11 connector to facilitate connectivity into the inter sub rack CAN bus. The slave CSC module has two RJ11 connectors to facilitate daisy chaining should additional sub rack frames require connection.

The master CSC has an onboard back up battery, which provides power to the processor and cell modem to enable the sending of an appropriate alarm. The processor stores system configuration files and is able to restore previous configuration settings to a newly plugged in module.

This battery is connected or disconnected via the web browser interface. Whilst connected, the battery is conditioned through an intelligent charger. The internal battery is hardwired into the module and does not require field maintenance or replacement.

3.3.4 Ref Gen + Aux – Reference Generator Module

Located at the rear of the rack on the extreme right hand side (looking at the back of the rack from the rear), the Ref Gen + Aux module is not optional. The Ref Gen + Aux module provides interconnectivity to and from optional signal reference sources such as GPS and an external 10MHz signal.

When a GPS signal is required to discipline the reference generator clock frequency, an active GPS antenna must be connected to this input. The output voltage on this connector is 6VDC rated at 0.5A

The “EXT REF” SMA Female connector is used to lock the reference generator to an external 10MHz reference. The required stability of this reference is +/- 3PPM with a nominal input signal level of 0dBm (0.22V