

HM Element Management System (EMS)

The Hughes HM Element Management System (EMS) software monitors and manages the Hughes HM series Single Channel Per Carrier (SCPC) and Demand Assigned Multiple Access (DAMA) Hubs. The HM EMS is designed with ease of use in mind. Via a secure web-enabled modern user interface and in a single view, an operator can visualize the health/status of the HM100 modems, configure and control the modems, and view the alarms, events, and statistics. The HM EMS also collects user call (session) records for all sessions that are operating at the Hub. An operator can search, sort, and export network related data directly from the user interface.

The HM EMS has an optional Resource Management Systems (RMS) module. When enabled, the RMS module conducts automatic satellite capacity management across multiple satellites and beams, optimally allocates channels on demand, and manages modem failover. The RMS managed satellite beam/channel allocation information is displayed as a geographic beam view and as a frequency spectrum view.

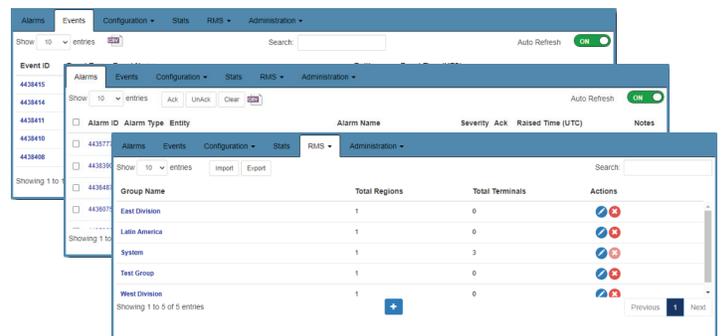


Key Features

- Fault and Status monitoring of a rack of HM100 modems
- Configuration and Control of HM100 modems
- Automatic or Manual setup for Single Channel Per Carrier (SCPC) and Demand Assigned Multiple Access (DAMA) modes
- Dedicated or Shared Forward channel
- Secure (HTTPS) Simple User Interface (SUI)
 - Alarm/Event display
 - Usage records recording and display
- User Authentication and Role-Based Access Control (RBAC)
- Northbound REST and SNMP APIs
- Integrated with the Hughes Secure Network Manager



EMS Single Pane Web User Interface



Minimum Requirements

- ESXi 6.0 or above or Docker deployments
- Four vCPU
- 16 GB of memory
- 250 GB of disk space