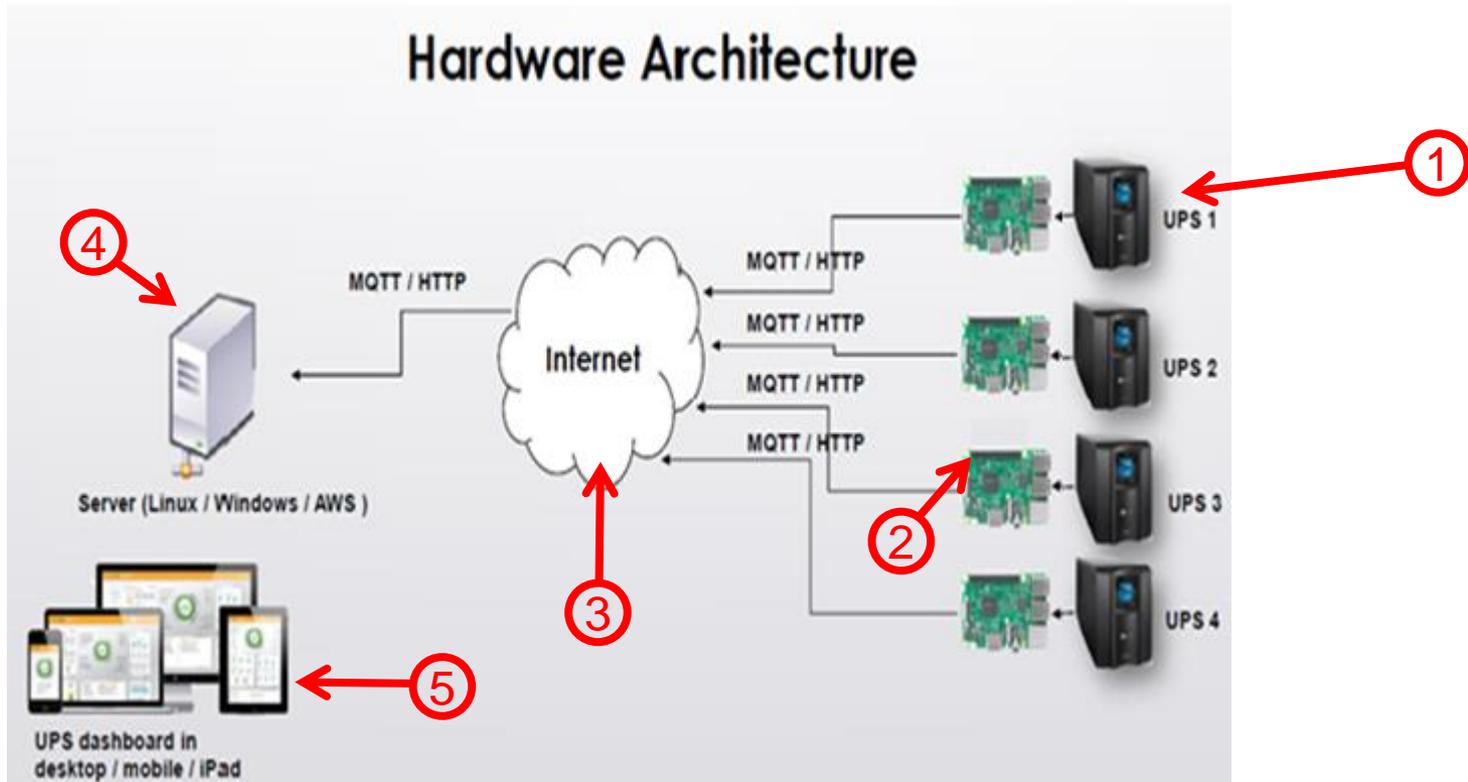


Architecture overview



① UPS

③ Internet

⑤ Web based Client Application

② Communication Board

④ Cloud Server (AWS)

- **UPS:** UPS sends various parameter to communication board, which further used for live monitoring, record and diagnosis.
- **Communication Board:** Used to fetch the data from the UPS and sends the data to the server. It also store the data when server connectivity are break.
- **Internet:** Internet connectivity required to send data from remote location to the server. Internet is provided via Wi-Fi , LAN Cable or through USB dongle.
- **Server:** The server is host the web applications to monitor the live data from remote location and diagnose. Server collects the data emitted by communication board and stores the data for the future analysis.
- **Web based Application:** Web application used to view the UPS data & fetch the data remotely. Web page open in Internet explorer (Any Web browser), or application open in Mobile (Android or iPhone)

Purpose of IoT in UPS

- ✓ Monitoring UPS health remotely over the internet.
- ✓ Remote Diagnosis.
- ✓ Generate Warning and Alerts.
- ✓ Uptime improvement.
- ✓ Provide data for failure Analysis.
- ✓ Improves the reliability of the product.

Features

- Secure online tool for live UPS & Battery health monitoring
- Numerical and Graphical data presentation
- Report generation
- Notification of Alerts through SMS /Email/Web App.
- Data record retention

Home Page of Web Client Dashboard

Home Page

HITACHI Home | Dashboard | Reports Search by LPS ID Admin Administrator

Press F11 to exit full screen

Alerts 0 Alarm 0 Normal 3

Active Alarms

UPS Status

- **HHPE Admin Login :-** Indicate all the UPS location which are register in the Server.
- **Customer Login :-** Show only UPS which was register under Customer Login i.e his UPS only