

# Custom AT Commands

## Objective

To research a suitable Cavli product, propose three custom AT commands that could be implemented on it, and mock the expected responses manually.

## Selected Module

**Cavli C16QS** – An LTE Cat 4/NB-IoT/2G multimode module designed for IoT applications, supporting standard GSM/LTE AT commands and additional Cavli-specific features.

## Proposed Custom AT Commands

### 1. Command: AT+CAVLITEMP?

#### Mock Response:

```
+CAVLITEMP: 35.2 C
OK
```

#### Description:

This command queries the internal temperature sensor of the module to monitor operating temperature and prevent overheating in the field.

### 2. Command: AT+CAVLIGPS?

#### Mock Response:

```
+CAVLIGPS: 40.7128,-74.0060,15
```

OK

**Description:**

This command fetches the GPS location of the device in latitude, longitude, and altitude. Useful for tracking and geolocation in IoT deployments.

### **3. Command: AT+CAVLIREBOOT?**

**Mock Response:**

+CAVLIREBOOT: Last reboot reason: Power Cycle  
OK

**Description:**

This command reports the reason for the most recent module reboot, assisting in maintenance and diagnostics.