Custom AT Commands for Cavli Module

Selected Module: Cavli C10GS

1. AT+CAVSTATUS?

Purpose:  
Query the overall device status, including SIM state, network registration, and signal strength using a single, simple command.

Command:

AT+CAVSTATUS?

Mock Response:

+CAVSTATUS: SIM READY, NET OK, RSSI 20

OK

Manual Interpretation:  
The SIM is inserted and unlocked, the module is registered to the network, and the signal strength is 20 (which indicates a fair signal).

2. AT+CAVRESET

Purpose:  
Soft reset (reboot) the module without physically powering it off.

Command:

AT+CAVRESET

Mock Response:

Module restarting...

OK

Manual Interpretation:  
The command triggers an internal software-based restart of the modem, useful in error recovery or reinitialization scenarios.

3. AT+CAVAPNSET="internet"

Purpose:  
Easily configure the APN without using the complex AT+CGDCONT syntax.

Command:

AT+CAVAPNSET="internet"

Mock Response:

+CAVAPNSET: APN set to "internet"

OK

Manual Interpretation:  
The access point name (APN) for the data network has been set to “internet” and saved for use in upcoming data sessions.