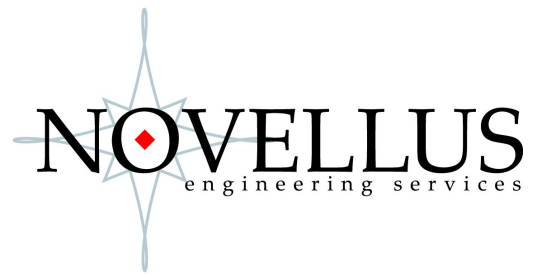# Remote Calibration Module (RCM)

NOVELLUS
engineering services

Description:

This module is a remote calibration device designed for remote access to a wide variety of tools/calibration devices with a secure connection. This is used for remote testing and calibration development. The RCM comes with a selection of port compatibility for high speed data collection, storage and transfer. This can be used for, but not limited to, in-vehicle and dyno powertrain development. This module can remotely download and upload data for offsite testing and calibration. Customization options include: memory, storage, connectivity, and GPS tracking.

Basic Operation:

The RCM provides complete remote control over the connected devices as if the user was connected directly to them with a laptop. It allows remote global access to data acquisition systems via Wi-Fi connectivity. The RCM is compatible with a wide variety of data acquisition systems such as, but not limited to, ATI & ETAS. The device will allow single and/or multiple simultaneous remote access views of the live data acquisition system for group analysis. Capabilities include remote headless automation through scripting, custom services and standard APIs. The system is compatible with ethernet and/or USB based tools. The base system consists of an i7 processor, 16GB RAM and 1 TB solid state drive (SSD). The RAM is expandable up to 64 GB and the SSD can be expanded up to 8 TB based on your requirements.

Port Type	Quantity	Shape
USB 3.1 (blue)	3	
USB 3.1 (yellow)	1	
1Gb Ethernet	1	
HDMI	1	
Thunderbolt 3	1	

*Ports & specifications subject to change & expandable

Electrical Specifications:

Signal	Minimum	Maximum
Operating Voltage	+12 VDC	+24 VDC
Power Consumption*		28 W
Operational Temperature	-40ºC	+85ºC

*Low Standby Current Draw

System Specifications:

Standard	Optional/Compatible
4 core i7 Processor	GPS
Windows 10 OS	4G/5G Compatible
Integrated Graphics	Touchscreen/HUD
Memory size: RAM 16GBs	Memory size: Up to 64GBs
Storage: 1 TB SSD	Storage: Up to 8 TBs (SSD M.2)
Bluetooth	
Intel® Wi-Fi 6 AX201	

Dimensions LxWxH: (126x126x50.5)mm