

AMI-kV2c-5G

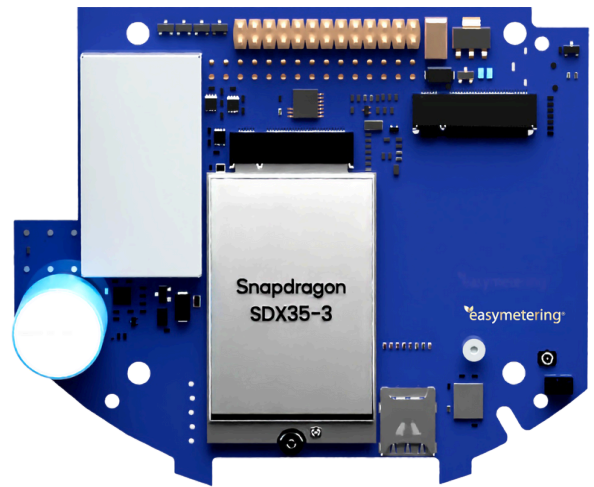
5G RedCap Module

Product Description

AMI Edge processing board,
Compatible with Aclara kV2c G5, uses Qualcomm
chipset SDX35 -AA with ARM cortex A7 1.7 Ghz.

AI Features

- **Anomaly mitigation:** Autonomous actions.
- **Load monitoring:** Disaggregate and adopt the load nature.
- **Smart VPP integration:** Adapt to influences on generation and consumption.
- **Smart connectivity:** Optimize connectivity according to coverage.
- **Demand forecasting:** Enhance grid resilience.
- **Heatmap generation:** Map population needs to improve service.



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3GPP Rel-17 RedCap	
Region/Operator	North America
Temperature Ranges	
Operating Temperature	-40°C to +85°C
Bands	
LTE	B2, B4, B5, B7, B12, B13, B14, B17, B18, B19, B25, B26, B38, B41, B42, B43, B48, B66, B71, B106
5G	n2, n5, n7, n12, n13, n14, n25, n26, n38, n41, n48, n66, n71, n77, n78
GNSS	GPS L1, GLONASS G1, BDS B1, Galileo, GPS L5, Galileo E5aBDS B2a
Data Transmission	
5G NR (Mbps)	SA: 223(DL)/123(UL)
LTE Data Rates (Mbps)	200(DL)/105(UL)
Bluetooth	
Version	5.4
Data Rates	125 Kbps, 500 Kbps, 1 Mbps, 2 Mbps
Frecuencia BLE	2.4 GHz
Module Configuration	AMI-kV2c-5G supports BLE configuration.
Mesh Network (WI Sun)	
Standard	IEEE 802.15.4 g/e IPV4
Reach	3 km
Bandwidth	50 - 300 Kbps