

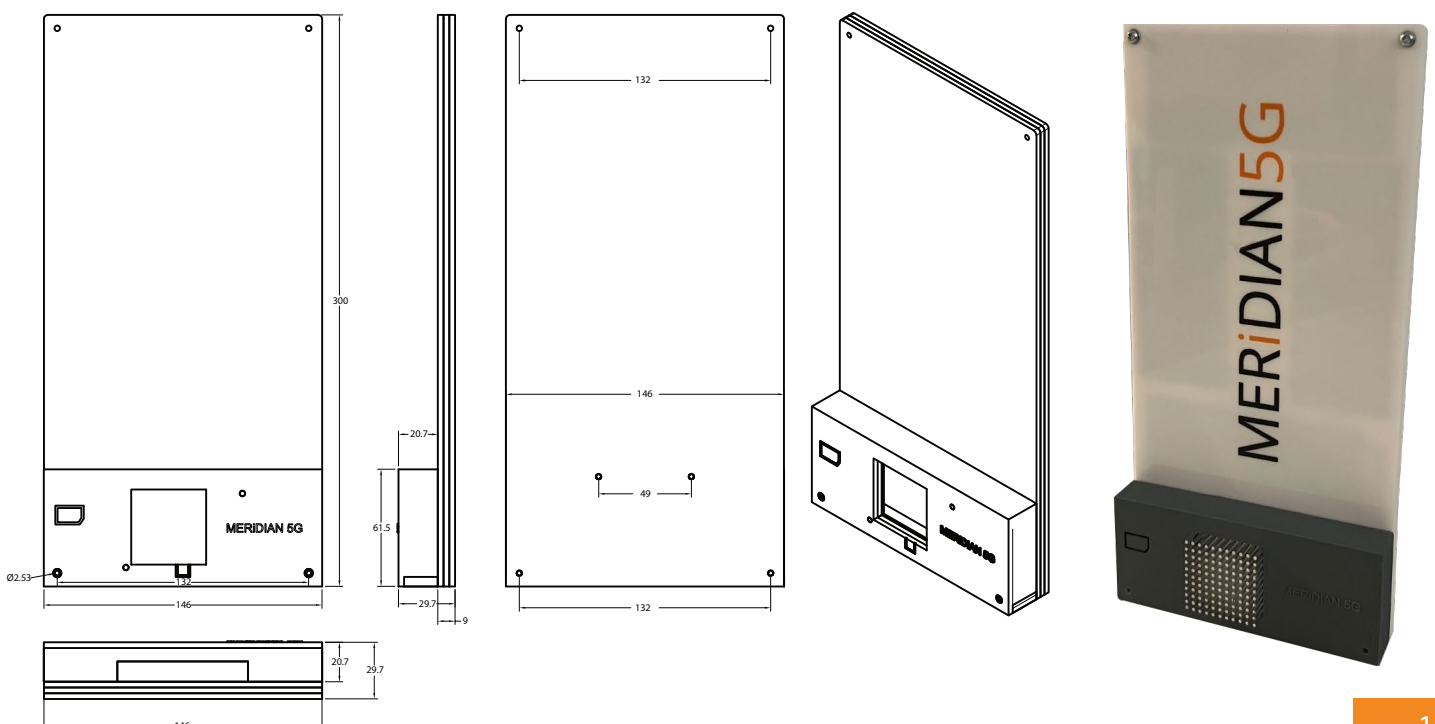
Panel

TECHNICAL SPECIFICATIONS

Panel is a part, not a complete system. A control router is required to operate the panels.

Panels are the main parts in the DOME systems. A panel can also be used to upgrade either a DOME system to include more modems/antennas, or to upgrade M1 or M2 rugged.

- **Modem:** One 5G modem with 1 push-pull SIM slot (Nano, 4FF)
- **Antennas:** 4 omnidirectional wide band antenna modules (600MHz-6Ghz, peak gain 5dBi), arranged orthogonally in pairs to achieve 4x4 MiMo
- **Antenna layout:** Slim design on the antenna section to fit tight VSAT domes as well, e.g. Intellian V60
- **Dimensions in mm:** 300 x 146 x 29.7
- **Weight:** 800g
- **Material:** Polyester resin and ABS plastic
- **Operating temperature:** Heatsink to allow for up to 75°C operations
- **Connectors:** USB-C connector for USB-3.2 data bus and auxiliary power
- **Power:** DC 5V/3A (provided over USB-C from the control router)
- **Mounting:** vertical or horizontal, but not flat



Modem specifications

Model: Qualcomm Snapdragon (SD) x55 modem, Cat. 20

Coverage: Worldwide 5G coverage with 3G/4G fallback

Power Class 2, max. TX power 400mW

MAXIMUM SPEED per modem:

Download: 2.0 Gbit/s per modem, 7xCA, max. Modulation 256QAM

Upload: 211 Mbit/s per modem, 2xCA, max. Modulation 256QAM

SUPPORTED RF BANDS (Worldwide Coverage)

Technology	Bands	Diversity Connection
3G	B1, B2, B4, B5, B6, B8, B9, B19	YES
4G LTE-A-PRO	B1-B5, B7, B8, B12-B14, B17-B20, B25, B26, B28-B30, B32, B34, B38-B43, B46, B48, B66, B71	YES (4x4 MIMO)
5G	n1, n2, n3, n5, n7, n8, n12, n20, n25, n28, n38, n40, n41, n48, n66, n71, n77, n78, n79	YES (4x4 MIMO)