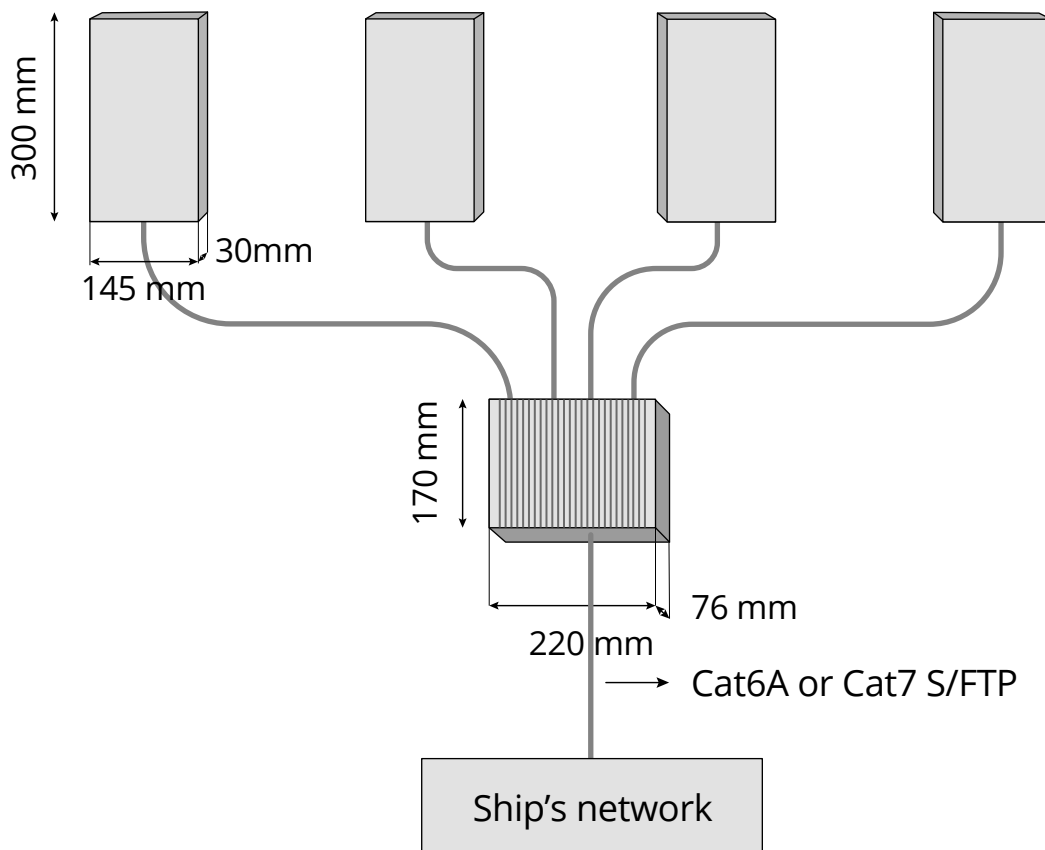


4X4X4 DOME Router, Panel Version (Worldwide)

TECHNICAL SPECIFICATIONS

Physical environment:

- **Panels** can be mounted either vertically or horizontally near the dome's base. Thus, they will not interfere with the VSAT dish/ BUC.
- **Control Router** mounted flat in the dome's base.
- **Cabling required:** Ethernet to the ship's firewall: Cat6A or Cat7 S/FTP. Has to be S/FTP (shielded).
- **Power:** AC power 280W. Alternatively, DC 12V/12A.
- **Antennas:** 16 wide band antenna modules (600MHz-6Ghz, peak gain 5dBi)
- **Minimum diameter** of the existing dome for installation of our Panel Version not to interfere with the dish: 130cm.
- **Operating temperature:** -40° to +75°C



Modems:

4 x 4G/5G modems (LTE-A-Pro) with 3G fall back (based on Qualcomm Snapdragon X55)
 (Power Class 2, max. TX power 0.4W)

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)

User Interface:

DASHBOARD:

Modem Status

- RF indication
- Connection status
- Distance to Cell
- Temperature
- Network load
- Error indication

System Status

- Aggregator status
- Network load
- Temperature
- Performance Test

System Control

- Power down
- Reboot

FURTHER CONTROL:

Modem Control

- Data mode
- Set offline
- Carrier selection
- Network Scan
- Band selection

Reporting

- Data usage
- RF readings
- Network readings
- RF and Networks charts

Misc

- SIM PIN/PUK
- APN control
- SMS service
- Location Service