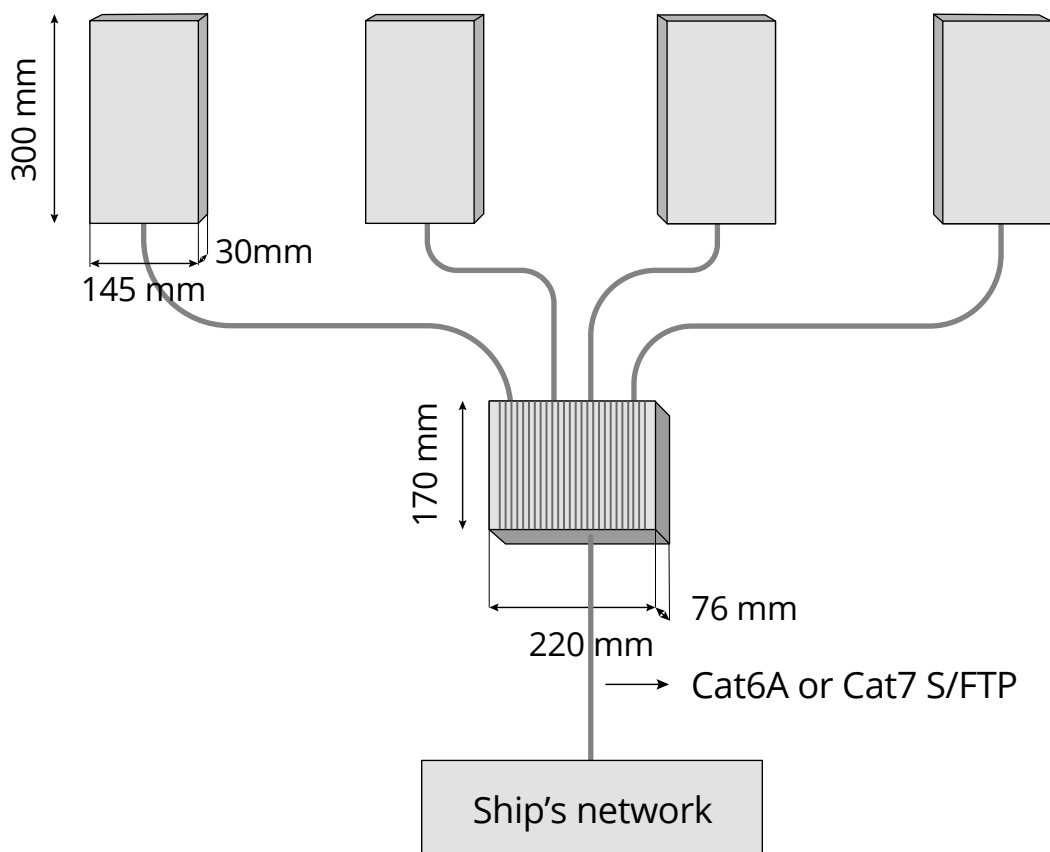# 4X4X4 DOME Router, Panel Version (Worldwide)

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:** 160W peak load. DC 12V, 12A (3x4sqmm) or AC 100V..240V (3x1.5sqmm).
- **Antennas:** 16 wide band antenna modules (600MHz-6Ghz, peak gain 5dBi)
- For **installation** of our Panel Version there should be at least 10cm clearance between the dish and the dome cover, to keep the dish fully operational.
- **Operating temperature:** -40° to +75°C

300 mm
30mm
145 mm
170 mm
76 mm
220 mm
Cat6A or Cat7 S/FTP
Ship's network

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	System Status	System Control
• RF indication • Connection status • Distance to Cell • Temperature • Network load • Error indication	• Aggregator status • Network load • Temperature • Performance Test	• Power down • Reboot

FURTHER CONTROL:

Modem Control	Reporting	Misc
• Data mode • Set offline • Carrier selection • Network Scan • Band selection	• Data usage • RF readings • Network readings • RF and Networks charts	• SIM PIN/PUK • APN control • SMS service • Location Service