# YACHT ROUTER INFRASTRUCTURE DESIGNING PROCESS FOR LARGER YACHTS

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# 1. DETERMINE NUMBER OF VESSEL NETWORKS

**NAVIGATION NETWORK** 

**MULTIMEDIA NETWORK** 

SURVEILLANCE NEWTORK

**OWNER NETWORK** 

**GUEST NETWORK** 

**CREW NETWORK** 

# 2. DETERMINE NETWORK COMPONENTS FOR EACH VESSEL NETWORK

**NAVIGATION NETWORK** 

#### 9x LAN PORTS IN THE WHEELHOUSE:

- radar 1
- radar 2
- navigation pc 1
- navigation pc 2
- network sounder
- AIS
- engine/system monitoring pc
- printer

#### WIFI

ALWAYS CONNECT NAVIGATION EQUIPMENT DIRECTLY TO THE YACHT ROUTER TO MINIMIZE NUMBER OF DEVICE THAT COULD FAIL.

**MULTIMEDIA NETWORK** 

#### 2x LAN PORTS IN THE WHEELHOUSE

- SONOS bridge
- multimedia server

### 7x LAN PORTS (FOR EACH CABIN)

- smart TV

WIFI

#### SURVEILLANCE NEWTORK

#### 2x LAN PORT IN THE WHEELHOUSE

- surveillance pc
- FLIR camera controller

#### 5x LAN PORTS AROUND THE BOAT FOR IP CAMERAS

- port camera
- stbd camera
- stern camera
- engineroom camera
- FLIR camera

#### WIFI

**OWNER NETWORK** 

WIFI

**GUEST NETWORK** 

WIFI

hotspot

**CREW NETWORK** 

WIFI

hotspot

## 3. DETERMINE TOTAL LAN PORT NUMBER

#### LAN PORTS IN THE WHEELHOUSE:

- navigation network: 9
- multimedia network: 2
- surveilance network: 2

**TOTAL: 13** 

#### LAN PORTS AROUND THE BOAT:

- multimedia network: 7
  - owner cabin
  - guest cabin 1
  - guest cabin 2
  - captain cabin
  - crew cabin
  - salon
  - galley
- surveillance network: 5
  - port camera
  - stbd camera
  - stern camera
  - engineroom camera
  - FLIR camera

**TOTAL: 12** 

# 4. DETERMINE YACHT ROUTER COMPONENTS YOU NEED

#### WHEELHOUSE:

#### 1x Yacht Route Pro 4G

- 2x WAN ports (VSAT, FBB)
- 6x LAN ports

#### 1x LAN Expander

- 16x LAN ports

#### LAN PORTS AROUND THE BOAT:

**4x WIFI Extender** 

### 5. DESIGN NETWORK

