

# Ubi-LWK1000 : LTE Router for Marine Vessels



## Making machines talk!

**The best way to communicate with in-vehicle Transit and Public Safety applications.**

### Ubi-LWK1000

- Ubi-LWK1000 is an LTE Router to support marine vessels
- Various maritime safety equipments installed on ships and IP device can be interlocked
- Communication between coastal land and ships can be possible by LTE within coverage
- If you go outside LTE coverage, will communicate via satellite
- Frequency : 2.4 GHz WiFi (802.11 b/g/n )
- Interface: 1 X RJ-45 for 10/100 Mbps LAN ports  
1 X PoE  
2T2R 2.4 GHz / 1T2R LTE Antenna
- Key feature  
Security : WEP/WPA/WPA2 and 802.1x Auth.  
Network : NAT and DHCP  
VPN : Supports VPN pass-through  
IP67 housing (option)

### LTE Network

- LTE Standard : 3GPP E-UTRA LTE Release 10, UE CAT4
- D/L : LTE 150 Mbps U/L : LTE 50 Mbps
- LTE Band3(1800MHz) Band 8(900MHz)
- Max RF Output Power:  $\geq 22$  dBm
- Rx Sensitivity :  $\leq -97$  dBm(10MHz@Rb50 )
- Environments(IP67)  
Operating temperature:  $-20^{\circ}\text{C}$  to  $60^{\circ}\text{C}$   
Storage temperature:  $-30^{\circ}\text{C}$  to  $85^{\circ}\text{C}$

### Mechanicals

- Dimension(WxHxT): 115 x 104 x 28 (mm)
- Dimension(IP67 housing): 220 x 250 x 65 (mm)
- Antenna connector : LTE, GPS, WiFi
- input power : DC 12V(AC100 ~ 240V Adapter)
- input power(IP67 housing): PoE 48 V
- Power Consumption : 10W(Max) / 3~4W (Normal)

### Outside view

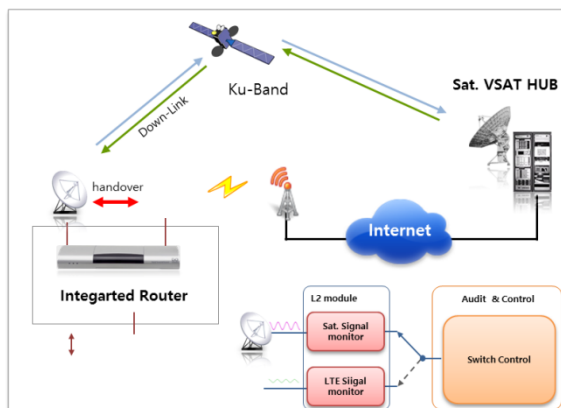


IP67 housing



- Antenna(Optional)  
LTE Omni ANT: 3dBi, 6dBi  
WiFi Omni ANT: 6dBi

### Applications



Auto Switching(LTE /satellite)