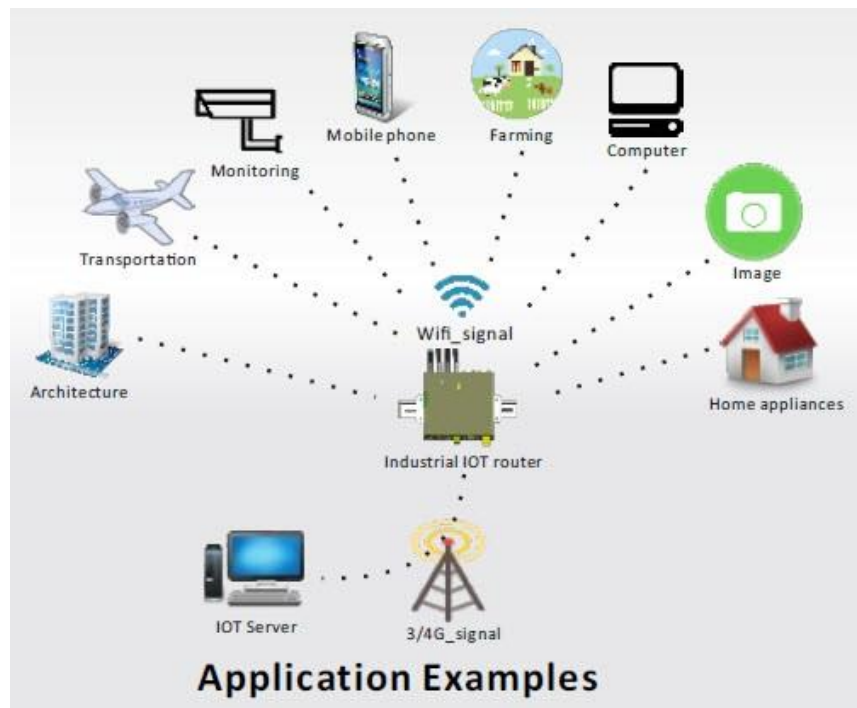# IWR_LTE SERIES 3G/4G ROUTERS
(Industrial 3G/4G/Ether-WAN IoT router)

An Industrial IoT gateway with LTE, wifi and Bluetooth on board for data collection from a variety of IoT device sensors. Such as temperature, Humidity, air pressure, electricity, G sensor, Gyroscope, light, Modbus PLC and so on. IoT gateway can convert different interfaces and device's protocols to major IoT server, such as Http server, MQTT server. .

Application Examples

General Specifications

- 10/100M LAN x 1, WAN x 1
- Optional Mini PCIe x 1 or RFID M2242 module x 1
- I2C x 1
- USB Type A x1
- LED x 8
- Reset button x 1
- Micro SD Card x 1
- Standard SIM Card x 1
- Wifi SMA Antenna x 2
- LTE SMA Antenna x 2
- DC Jack x 1 (DC8V-30V input)

Special features

- RS232C x1 or RS485 x 1
- GPIO x 4
- Bluetooth module
- RFID (optional)

Hardware specifications

- CPU: MT7620IA
- SDRAM: 64MB ~ 256MB
- Flash: 8MB~16MB
- Operation temperature range: -40C to +85C
- Power range: DC8V – DC30V/1A
- Humidity range: 10% to 90% non-condensing
  Antennas:
- Detachable SMA wifi antenna x 2
- Detachable SMA LTE antenna x 2
- MMCX to SMA cable for RFID x 4
- DIN rail kit: Yes
- Wall mount kit: Yes
- Dimensions (W x L x H): 131.7 x 125 x 26.1 mm
- Weight: 510g

Software specifications

- Operation System:
  Firewall:
  IP and MAC Filter
  Virtual Server and DMZ
  NAT (Network Address Translation)
  VPN:
  PPTP, L2TP pass through
  Communication Protocols:
  IP, NAT, DHCP, PAP, CHAP, PPP, TCP, UDP, HHTP, NTP

WiFi Specifications (2T2R 802.11n)

- Output Power (WiFi)
  802.11n:11 dbm
  802.11g:13 dbm
  802.11b:15 dbm

- Sensitivity (WiFi)
  802.11n:-68 dBm
  802.11g:-68 dBm
  802.11b:-85 dBm
- WiFi Frequency:
  2,4-2,462 GHz, CCK/OFDM (Modulation Range Coverage)
- WIfI Distance:
  Indoor: approximately 30 to 50 meters
  Outdoor: 80 to 100 meters

Ordering Information

Model names	IWR_LTE	IWR_LTE_BLE	IWR_LTE_232	IWR_LTE_485	IWR_LTE_RFID
Features & specification					
WAN 10/100M	v	v	v	v	v
LAN 10/100M	v	v	v	v	v
Wifi 802.11 b/g/n MT7620IA 2T2R	v	v	v	v	v
LTE EC25	v	v	v	v	v
BLE nRF52832		v			
RS-232			v		
RS-485				v	
Isolation Digital IO					
RFID M2240					v
MicroSD					
Lora module					
MQTT server		v			
Serial port transpararent TCP/UDP			v	v	
Mbus /RTU			v	v	

* Specifications are subject to change without notice