

# TELNA IOT CONNECT

High-bandwidth, global connectivity eSIM router for your enterprise needs



## KEY BENEFITS

### ✓ FULLY RELIABLE

- Regardless of location, you can connect to a network that services that area
- Multi-carrier support for diverse redundancy

### ✓ EASY TO MANAGE

- Cloud-based management tools
- SIM-free devices managed remotely

### ✓ AFFORDABLE

- By pooling bandwidth, you can enjoy optimum data rates
- Consumption based rates—only pay for what you use

## A SMARTER WORLD FOR ANY INDUSTRY

Broadcasting - Maritime - Transport - Industrial - Surveillance -  
Consumer - Energy - Healthcare - Retail - Security

- 
- Multi-channel, multi-IMSI eSIM router bundled with global connectivity
  - Flexible modular modem configuration
  - Up to 4 multi-band modems
  - Load-balanced
  - Global band coverage
  - Customized connectivity solutions are available
  - Complete OTA management
  - Location tracking—GPS optional

**telna**

For more information, visit [www.telna.com](http://www.telna.com)  
or email [iot@telna.com](mailto:iot@telna.com)

# DEVICE COMPONENTS



## CPU

**Name:** NXP/Freescale i.MX6 SoloX CPU  
**Type:** ARM Cortex™-A9 + ARM Cortex-M4 CPU  
**Cores:** Single Core Cortex™-A9  
+ ARM Cortex™-M4 CPU Clock

## ETHERNET

**Number of Ports:** 2  
**Type:** 10 / 100 / 1GB

## ANTENNAS

*Custom antenna solutions available*

**Compatible Wireless Technologies:**  
LTE / LTE+ / HSPA / GSM / CDMA /  
DCS / PCS / WCDMA / UMTS / GPRS /  
EDGE / GPS

**Compatible Frequencies:**  
698~960 / 1575.42 / 1710~2700 / 5150~5850 MHz

**Connection Type:** 9x SMA-female

## SAMPLE MODEMS

*Customized connectivity solutions available for desired band coverage.*

### Example configuration for maximum speeds in North America

MODEMS	CAT. 6 SPECIALIZED
<b>BANDS:</b>	LTE-FDD: B2, B4, B5, B7, B12, B13, B17, B25, B26, B29, B30, B66 LTE-TDD: B41 WCDMA: B2, B4, B5
<b>SPEED (CAT 6):</b>	3 Modems available for data use. Maximum speed per modem: 300 Mbps downlink, 50 Mbps uplink.*

### Example configuration for true global coverage

MODEMS	CAT. 4 WIDE BAND SUPPORT
<b>BANDS:</b>	LTE-FDD: B1, B2, B3, B4, B5, B7, B8, B12, B18, B19, B20, B25, B26, B28 LTE-TDD: B38, B39, B40, B41 WCDMA: B1, B2, B4, B5, B8, B6, B19 GSM: B2, B3, B5, B8
<b>SPEED (CAT 4):</b>	Maximum speed per modem: 150 Mbps downlink, 50 Mbps uplink.*

\* Maximum speeds based on category 4 and 6 LTE limits.

## WEIGHT AND DIMENSIONS

482 grams or 1 lb 1 oz  
16 x 18 x 4 cm or 6.2 x 7.2 x 1.5 in

## POWER REQUIREMENTS

5 V, Peak 20 W

## OPERATING TEMPERATURES

**CPU:** Commercial: 0°C to 70°C  
Industrial: -40°C to 85°C

**MODEMS:** -40°C to 85°C



For more information, visit [www.telna.com](http://www.telna.com)  
or email [iot@telna.com](mailto:iot@telna.com)