

# 5G-B40 Industrial

## 5G+WiFi 7 Router



**5G-B40** is a versatile and easy-to-use wireless router with 5G & WiFi 7 capability.

**5G NSA: up to 4.9 Gbps DL, 0.55 Gbps UL**

**5G SA: up to 2.8 Gbps DL, 0.90 Gbps UL**

**4G: 2 Gbps DL, 210 Mbps UL**

**3G (HSPA+): 42 Mbps DL, 11 Mbps UL**

**Up to 5.8Gbps from 802.11be/ax/ac/a/b/g/n 2T2R**

**Up to 2.5Gbps from LAN.**

**Up to 2.5Gbps from WAN.**

### KEY FEATURES

**5G-B40-NAD(North America) 3GPP 5G Rel 17**

**5G NR:** n2, n5, n7, n12, n13, n14, n25, n26, n28, n29, n30, n41 (n38), n48, n66, n70, n71, n77, n78

**4G:** B2, B4, B5, B7, B12, B13, B14, B17, B25, B26, B29, B30, B41 (B38), B42, B43, B48, B66, B71

**5G-B40-RWD(Europe)**

**5G NR:** n1, n3, n5, n7, n8, n20, n28, n40, n41 (n38), n75, n76, n77, n78, n79

**4G:** B1, B3, B5, (B18, B19), B7, B8, B20, B28, B32, B40, B41 (B38), B42, B43

**3G:** B1, B5 (B6, B19), B8

**GNSS(optional):** Active antenna L1, L5  
QZSS, GPS, GLONASS, Galileo, BeiDou

### WiFi 7

802.11be/ax/ac/a/b/g/n 2T2R 2.4/5/6GHz DBS, HBS.

**Dual band simultaneous (DBS)** up to 2.4 GHz 2x2 40

MHz + 5 GHz 2x2 160 MHz /6 GHz 2x2 160 MHz

**High-Band Simultaneous (HBS) with dual MAC**, up to 5.8 Gbps data rate (2x2 5 GHz 160MHz + 2x2 6 GHz 160 MHz with 4K QAM modulation)

### WiFi: modulation

802.11be: 4096QAM, 1024QAM, 256QAM, 64QAM, 16QAM, QPSK, BPSK

### WiFi Frequency

**Wi-Fi:** 2.4~2.4835GHz, 5.15~5.35GHz, 5.47~5.85GHz, 5.85GHz~5.925GHz, 5.93GHz~7.11GHz

### INTERFACES

- 1 10/100/1000/2500Mbps LAN port, Auto MDI/MDIX
- 1 10/100/1000/2500Mbps WAN/LAN port, Auto MDI/MDIX
- 2 SIM card interface (3V/1.8V)
- Power supply 12VDC
- Internal 2 fix antennas interface for WiFi 7, 2T2R  
Internal 4 antenna interface for 5G, LTE.
- 1 nano SIM card tray with dual SIM, push-in, push-out.

**Button:** System Reset

### LED

Power, wifi status, 5G status, 2.5Giga WAN, 2.5Giga LAN

1 x 10/100/1000/2500 WAN/LAN ports, Link/Act,  
1 x 10/100/1000/2500 LAN ports, Link/Act,

### Embedded system

- Linux: Supports OpenWRT.22.03

**Protocol:** TCP, FTP, PPTP, HTTP, HTTPS, TFTP, DHCP, NAT, IPSec Pass through, QoS.

Optional: VPN client or gateway, IPSec client.

### Others

- Size 9cm x 9cm x 6cm
- Weight 0.5 kg
- Normal operating conditions • -20°C to +60°C

### LIGHTSPEED International Co.

No.20, Lane 526 NiuPu East Rd. Hsin Chu Taiwan

Tel: +886 3 5396570 Fax: +886 3 5401872

Web : [www.lightspeed.com.tw](http://www.lightspeed.com.tw)

Contact : [peter@lightspeed.com.tw](mailto:peter@lightspeed.com.tw)