



89.95 EUR

incl. 19% VAT, plus shipping

- **M.2 3042 !**
- **4G / LTE !**
- **eSIM !**

DW5821e-eSIM is designed to enable wireless data connectivity for notebook computer or any other device compatible with the PCI Express M.2 Specification 3042 type Key-B slot. DW5821e-eSIM is the data card solution that delivery wireless wide-area network (WWAN) connectivity for the LTE, UMTS (HSDPA/HSUPA/HSPA+/DC-HSPA+) and GPS/Glonass/Beidou protocols in one hardware configuration.

- DL - 1.2 Gbps / 12-layer / 100 MHz CA
- UL - 150 Mbps / 40 MHz CA
- 256 QAM DL / 64 QAM UL
- 4 × 2 MIMO 5x CA (R13)
- 4 × 4 MIMO 3x CA
- FDD + TDD CA
- 3.5 GHz and 600 MHz Bands
- LAA and LTE-U (up to 80 MHz of unlicens)
- Advance LTE IC + NAIC (with CRS only)

Feature

Physical

Description

PCI express M.2 module, size 3042, Key B, 75Pin golden finger

Electrical	Single VCC supply (3.135V~4.4V follow M.2 standard)
Dimension	Dimensions (L × W × H): 42 mm × 30 mm × 2.3 mm, maximum height=2.38mm (add PCB tolerance=0.08mm)
Shielding design	Shield case on board design, no additional shielding requirement
Weight	Approximately ~6g
USIM	Off-board USIM connector supported
Operating Bands	<p>WCDMA/HSDPA/HSUPA/HSPA+ operating bands:</p> <p>Band 2: 1850 to 1910 MHz (UL), 1930 to 1990 MHz (DL)</p> <p>Band 4: 1710 to 1755 MHz (UL), 2110 to 2155 MHz (DL)</p> <p>Band 5: 824 to 849 MHz (UL), 869 to 894 MHz (DL)</p> <p>LTE FDD/TDD operating bands:</p> <p>Band 2: 1850 to 1910 MHz (UL), 1930 to 1990 MHz (DL)</p> <p>Band 4: 1710 to 1755 MHz (UL), 2110 to 2155 MHz (DL)</p> <p>Band 5: 824 to 849 MHz (UL), 869 to 894 MHz (DL)</p> <p>Band 7: 2500 to 2570 MHz (UL), 2620 to 2690 MHz (DL)</p> <p>Band 12: 699 to 716 MHz (UL), 729 to 746 MHz (DL)</p> <p>Band 13: 777 to 787 MHz (UL), 746 to 756 MHz (DL)</p> <p>Band 14: 788 to 798 MHz (UL), 758 to 768 MHz (DL)</p> <p>Band 17: 704 to 716 MHz (UL), 734 to 746 MHz (DL)</p> <p>Band 25: 1850 to 1915 MHz (UL), 1930 to 1995 MHz (DL)</p> <p>Band 26: 814 to 849 MHz (UL), 859 to 894 MHz (DL)</p> <p>Band 29: 717 to 728 MHz (DL)</p> <p>Band 30: 2305 to 2315 MHz (UL) 2350 to 2360 MHz (DL)</p> <p>Band 32: 1452 to 1496 MHz (DL)</p> <p>Band 38: 2570 to 2620 MHz (UL/DL)</p> <p>Band 41: 2496 to 2690 MHz (UL/DL)</p> <p>Band 66: 1710 to 1800 MHz (UL), 2110 to 2200 MHz (DL)</p> <p>LAA</p> <p>Band 46: 5150 to 5925 (DL)</p>
Operating Bands	

Diversity/2nd Rx	All UMTS operating bands All LTE operating bands
4x4 MIMO Rx	1/25(2)/3/66(4)/7/30/40/41(38)
GNSS	GPS: L1 (1575.42MHz) GLONASS: L1 (1602MHz) Beidou (1561.098MHz) Galileo E1 (1575.42)
USIM Voltage	Support 1.8V and 2.85V, and auto detects follow SIM card type
Antenna connectors	MAIN: Support all LTE & UMTS bands AUX: Supports all LTE & UMTS bands Diversity and GPS simultaneously MIMO1& MIMO2: Support 4x4 MIMO B1/2/3/4/7/30/40/41/66
Throughput	WCDMA CS: DL 64 kbps /UL 64 kbps WCDMA PS: DL 384 kbps /UL 384 kbps HSPA+: DL 21.6 Mbps /UL 5.76 Mbps DC-HSPA+: DL 42 Mbps/UL 5.76 Mbps LTE Cat4: DL:150 Mbps/UL 50 Mbps LTE Cat6: DL: 300 Mbps/UL 50 Mbps LTE Cat9: DL: 450 Mbps/UL 50 Mbps LTE Cat16: DL: 1.0 Gbps/UL 150 Mbps LTE Cat18: DL: 1.2 Gbps/UL 150 Mbps