



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  
Electrical

#### Description

PCI express M.2 module, size 3042, Key B, 75Pin golden finger  
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                                                               |
|                    | <b>WCDMA/HSDPA/HSUPA/HSPA+ operating bands:</b>                                                  |
|                    | Band 2: 1850 to 1910 MHz (UL), 1930 to 1990 MHz (DL)                                             |
|                    | Band 4: 1710 to 1755 MHz (UL), 2110 to 2155 MHz (DL)                                             |
|                    | Band 5: 824 to 849 MHz (UL), 869 to 894 MHz (DL)                                                 |
|                    | <b>LTE FDD/TDD operating bands:</b>                                                              |
|                    | Band 2: 1850 to 1910 MHz (UL), 1930 to 1990 MHz (DL)                                             |
|                    | Band 4: 1710 to 1755 MHz (UL), 2110 to 2155 MHz (DL)                                             |
|                    | Band 5: 824 to 849 MHz (UL), 869 to 894 MHz (DL)                                                 |
|                    | Band 7: 2500 to 2570 MHz (UL), 2620 to 2690 MHz (DL)                                             |
|                    | Band 12: 699 to 716 MHz (UL), 729 to 746 MHz (DL)                                                |
|                    | Band 13: 777 to 787 MHz (UL), 746 to 756 MHz (DL)                                                |
|                    | Band 14: 788 to 798 MHz (UL), 758 to 768 MHz (DL)                                                |
|                    | Band 17: 704 to 716 MHz (UL), 734 to 746 MHz (DL)                                                |
|                    | Band 25: 1850 to 1915 MHz (UL), 1930 to 1995 MHz (DL)                                            |
|                    | Band 26: 814 to 849 MHz (UL), 859 to 894 MHz (DL)                                                |
|                    | Band 29: 717 to 728 MHz (DL)                                                                     |
|                    | Band 30: 2305 to 2315 MHz (UL) 2350 to 2360 MHz (DL)                                             |
|                    | Band 32: 1452 to 1496 MHz (DL)                                                                   |
|                    | Band 38: 2570 to 2620 MHz (UL/DL)                                                                |
|                    | Band 41: 2496 to 2690 MHz (UL/DL)                                                                |
|                    | Band 66: 1710 to 1800 MHz (UL), 2110 to 2200 MHz (DL)                                            |
| Operating Bands    | LAA                                                                                              |
|                    | Band 46: 5150 to 5925 (DL)                                                                       |
| Operating Bands    | All UMTS operating bands                                                                         |
| Diversity/2nd Rx   | All LTE operating bands                                                                          |
| 4x4 MIMO Rx        | 1/25(2)/3/66(4)/7/30/40/41(38)                                                                   |
|                    | GPS: L1 (1575.42MHz)                                                                             |
| GNSS               | 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                                    |
|                    | MAIN: Support all LTE & UMTS bands                                                               |
| Antenna connectors | AUX: Supports all LTE & UMTS bands Diversity and GPS simultaneously                              |
|                    | MIMO1& MIMO2: Support 4x4 MIMO B1/2/3/4/7/30/40/41/66                                            |
|                    | 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                                                                |
| Throughput         | 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                                                              |