



69.95 EUR

incl. 19% VAT, plus shipping

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

DW5829e-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. DW5829e-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.

LTE Air Interface

- LTE Rel11
 - DL - 450 Mbps / 6-layer / 60 MHz CA
 - UL - 75 Mbps / None CA
 - 64 QAM DL / 64 QAM UL
 - FDD + TDD CA
 - Advance LTE IC + NAIC (with CRS only)

WCDMA/HSPA Air Interface

- R99
- All modes and data rates for WCDMA FDD
- R5 HSDPA
 - PS data speeds up to 7.2 Mbps on the downlink
- R6 HSUPA
 - E-DCH data rates of up to 5.76 Mbps for 2 ms TTI (UE category 6) uplink
- R7 HSPA+
 - Downlink 64 QAM SISO: up to 21 Mbps
 - Downlink 16 QAM 2x2 MIMO: up to 28 Mbps
- R8 DC-HSPA+
 - Downlink dual carrier with 64 QAM (SISO); up to 42 Mbps

GNSS

- Customizable tracking session

Feature	Description
Physical	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 or board design, no additional shielding requirement
Weight	Approximately ~8g
USIM	Off-board USIM connector supported

Operating Bands

WCDMA/HSDPA/HSUPA/HSPA+ operating bands:

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)

LTE FDD/TDD operating bands:

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 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)

Diversity/2nd Rx

All UMTS operating bands

All LTE operating bands

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

Throughput

WCDMA CS: DL 84 kbps / UL 84 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