



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 x W x H): 42 mm x 30 mm x 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
	<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 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	All UMTS operating bands All LTE operating bands
Diversity/2nd Rx	GPS: L1 (1575.42MHz) GLONASS: L1 (1602MHz) Beidou (1561.098MHz) Galileo E1 (1575.42)
GNSS	
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