



Basic Features

Dimension(mm):41.00 x 44.00 x 2.75

Package:LGA

LTE:Cat 20 and above

LTE FDD:B1/B2/B3/B5/B7/B8/B20/B28/B32

LTE TDD:B34/B38/B39/B40/B41/B42/B43**

WCDMA:B1/B2/B3/B5/B8

Operation mode:NSA & SA

Antenna:6 or 8 Optional +1(GPS)

Power Supply:3.3V~4.4V(Typical 3.8V)

Operating Temp.: -30°C~+75°C

Interfaces

PCIe:PCIe 3.0

USB3.1:x 1

UART:■

SPI:■

GPIO:■

I2C:■

SDIO:■

UIM:■

I2S:■

MIPI:■

RGMI:■

Approvals

RoHS*/Reach*/HF*/CCC*/SRRC*/CTA*/CE*/GCF*/RCM*/KC
C*/Geteki*/
CMCC*/CTCC*/CUCC*/VDF*/DT*/Optus*/Telstra*/Telefonica
/Swisscom

Key Features

NR MIMO:

DL 4 x 4 MIMO: n1, n3, n7, n38, n41, n78, n79

UL 2 x 2 MIMO: n41, n78, n79

LTE MIMO:

DL 4 x 4 MIMO: B1, B3, B7, B32, B34, B38, B39, B40, B41, B42

UL 1 x 1 MIMO

Downlink:

NR sub6: 4 x 4 MIMO 256QAM 1CC(4 layers)

LTE: 4 x 4 MIMO 1024QAM 7CC(6CC 24 layers)

Downlink:

NR sub6: 2 x 2 MIMO 256QAM

LTE: 1 x 1 MIMO 256QAM

Other Features

Voice:VoLTE

SMS:SMS over IP(IMS)

Audio:■

FOTA:■

OS Drivers:Linux 4.1**/Android 9.0**

GNSS:GPS/GLONASS/Galileo/Beidou



Basic Features

Dimension(mm):30.00 x 52.00 x 2.3

Package:M.2

LTE:Cat 20 and above

LTE

FDD:B2/B4/B5/B7/B12/B13/B14/B17/B25/B26/B29/B30/B66/B71

LTE TDD:B41/B42/B43**/B48

WCDMA:B1/B2/B4/B5/B8

Operation mode:NSA & SA

Antenna:4

Power Supply:3.3V~4.4V(Typical 3.8V)

Operating Temp.: -30°C~+75°C

Interfaces

PCIe:PCIe 3.0

USB3.1:x 1

GPIO:■

I2C:■

UIM:■

I2S:■

MIPI:■

Approvals

HF*/FCC*/GCF*/PTCRB*/TMO*/Verizon*/AT&T*

Key Features

NR MIMO:

DL 4 x 4 MIMO: n2, n66, n41,n78

UL 1 x 1 MIMO

LTE MIMO:

DL 4 x 4 MIMO: B2, B4 ,B7, B25, B30, B41, B42, B46, B66, B48

UL 1 x 1 MIMO

Downlink:

NR sub6: 4 x 4 MIMO 256QAM 1CC(4 layers)

LTE: 4 x 4 MIMO 1024QAM 7CC(6CC 24 layers)

Downlink:

NR sub6: 2 x 2 MIMO 256QAM

LTE: 1 x 1 MIMO 256QAM

Other Features

Voice:VoLTE

SMS:SMS over IP(IMS)

Audio:■

FOTA:■

OS Drivers:Linux 4.1**/Android 9.0**

GNSS:GPS/GLONASS/Galileo/Beidou