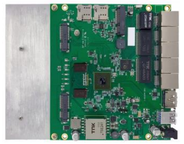

COMPEX
PRODUCT ROADMAP

Embedded Board Roadmap

Premium



WPQ865 (Akronite Series)

IPQ8065 Dual Core Krait 1.5GHz
3x miniPCIe slot, supports 4x4 11ac
5x GE Ports
1x USB 3.0 Port
1x eSATA port
IEEE 802.3at

WPJ558 (Scorpion Series)

QCA9558 700MHz MIPS74kc
3x3 on-board 2.4GHz radio
1x miniPCIe slot
2x GE Ports
802.3af (48V) or 24V passive PoE

WPQ864 (Akronite Series)

IPQ8064 Dual Core Krait 1.4GHz
3x miniPCIe slot, supports 4x4 11ac
5x GE Ports
1x RJ45 Console Port
1x USB 3.0 Port
IEEE 802.3at

WPQ874/8 (Hawkeye Series)

IPQ8074 Quad Core ARM Cortex A53 2.2GHz
DBDC 4x4 2.4GHz, 8x8 5GHz 11ax
QCN5024 for 2.4GHz, QCN5054 for 5GHz
1024QAM support
5x 1Gbps Ethernet Ports
1x 10Gbps Ethernet Ports
2x USB 3.0 Port
1x SFP Port

WPQ872/6 (Hawkeye Series)

IPQ8072 Quad Core ARM Cortex A53 2.2GHz
DBDC 4x4 2.4GHz, 4x4 5GHz 11ax
QCN5024 for 2.4GHz, QCN5054 for 5GHz
1024QAM support
4x 1Gbps Ethernet Ports
1x 2.5Gbps Ethernet Ports
2x USB 3.0 Port

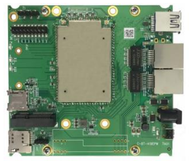
Mainstream

WPJ428 (Dakota Series)

IPQ4028 710MHz CPU
Dual Band 2x2 802.11ac Wave 2
1x M.2 slot (USB2.0 signal)
2x GE Port, 2x SIM Holder
IEEE 802.3at, DC Jack, USB 3.0 Port

WPJ563 (Dragonfly Series)

QCA9563 775MHz CPU
3x3 on-board 2.4GHz 802.11n
1x miniPCIe slot
2x GE Port
IEEE 802.3af, DC Jack, USB 3.0 Port



WPJ419 (Dakota Series)

IPQ4019 710MHz CPU
Dual Band 2x2 802.11ac Wave 2
1x MiniPCIe slot (USB2.0 & PCIe Signal)
2x GE Port, 1x SIM Holder
1x MicroSD card slot
IEEE 802.3at, DC Jack, USB 3.0 Port

Cost Effective

WPJ531 (Honeybee Series)

QCA9531 500MHz MIPS24kc
2x2 on-board 2.4GHz radio
1x miniPCIe slot (USB co-layout)
2x FE ports
802.3af (48v) or 24V passive PoE

WPJ564 (Dragonfly Series)

QCA9563 775MHz CPU
3x3 on-board 2.4GHz 802.11n (High Power)
1x miniPCIe slot
2x GE Port
IEEE 802.3af, DC Jack, USB 3.0 Port

WSB419 (Dakota Series)

IPQ4019 710MHz CPU
Dual Band 2x2 802.11ac Wave 2
2x GE Port
1 RJ45 Phone Port
IEEE 802.3af, DC Jack
94 available GPIOs

WPJ550 (Jet Series)

QCN5500 CPU
Single Band 2.4GHz 4x4
2x GE Port
1 RJ45 Phone Port
IEEE 802.3af, DC Jack

Mass Production

Q1 2018

Q3 2018

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COMPEX SYSTEMS

Wireless Module Roadmap

Premium

WLE1000V5-20
QCA9982
2.4/5GHz 3x3 MU-MIMO
20dBm/chain
802.11ac Wave 2
regular miniPCIe

WLE1216V2-20
QCA9984
2.4Ghz 4x4 MU-MIMO
20dBm/chain
802.11n
Standard size miniPCIe

WLE900V5-27
Peregrine Series QCA9880 v2
1.3Gbps 3x3 MIMO
5GHz 3x3 high power
27dBm/chain
802.11ac

WLE1216V5-20
QCA9984
5Ghz 4x4 MU-MIMO
20dBm/chain
802.11ac Wave 2
Standard size miniPCIe

Coming Soon

WLT1516V5
Pine Series QCN9xxx
4x4 11ax
80+80MHz support

Mainstream

WLE600VX
Peregrine Series QCA9882 v2
866.7Mbps 2x2 MIMO
2.4GHz/5GHz
19dBm/chain
802.11ac
regular miniPCIe

WLE900VX (XB140)
Peregrine Series QCA9880 v2
1.3Gbps 3x3 MIMO
2.4GHz/5GHz
19dBm/chain
802.11ac
regular miniPCIe

WLT674
QCA6174A
600Mbps 2x2 MIMO
2.4GHz/5GHz
BLE4.1 support
18dBm chain
802.11ac Wave 2
M.2 module

Coming Soon

WLT1500V5
Qak Series QCN90xx
4x4 11ax
80+80MHz support

Cost Effective

WLE650V5-18
Besra Series QCA9888
867Mbps 2x2 MU-MIMO
5GHz
18dBm/chain
23dBm aggr.
802.11ac Wave 2
regular miniPCIe

WLE650V5-25
QCA9888
867Mbps 2x2 MU-MIMO
5GHz
25dBm/chain
802.11ac Wave 2
regular miniPCIe

WSD377
QCA9377
300Mbps 1x1 MU-MIMO
2.4GHz/5GHz
BLE4.1 support
16dBm chain
802.11ac Wave 2
SDIO module

Mass Production | Q1 2018 | Q1 2019

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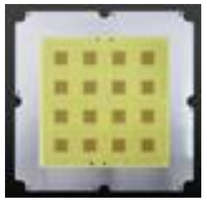
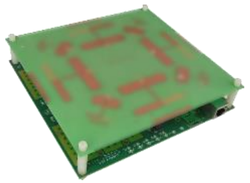
Antenna Roadmap

Premium



MME5N19

802.11ac/na Directional
Gain: 19dBi (5.1-5.9GHz)
Polarity: V & H
Isolation: > 40dB
250mm x 250mm



FLATANT4x4

Flat Structure MIMO/MU-MIMO Antenna
4 elements on 2.4GHz and 5Ghz
Gain @ 5GHz: 5~6dBi
Gain @ 2.4GHz: 6~7dBi
Isolation @ 5GHz: > 30dB
Isolation @ 2.4GHz: > 35dB
168 mm x 159 mm

Coming Soon

FLATANT8x8

Flat Structure MIMO/MU-MIMO Antenna
8 elements on 5GHz
8 elements on 2.4GHz
Gain @ 5GHz: 5dBi
Gain @ 2.4GHz: 6dBi
Isolation @ 5GHz: > 20dB
Isolation @ 2.4GHz: > 25dB

Mainstream

MJE5N17

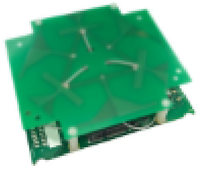
802.11ac/na Directional
Gain: 17dBi (5.1-5.9GHz)
Polarity: V & H
Isolation: High (>40dB)
210mm x 105mm

MZEDP2X2

Sectorized 3D Indoor Design
4 elements directional
Gain @ 5GHz: 5dBi
Gain @ 2.4GHz: 4dBi
Isolation @ 5GHz: > 27-38dB
Isolation @ 2.4GHz: > 21-25dB
109mm x 88mm x 58mm

MZEDP3X3

Sectorized 3D Indoor Design
6 elements directional
Gain @ 5GHz: 5dBi
Gain @ 2.4GHz: 4dBi
Isolation @ 5GHz: > 27-30dB
Isolation @ 2.4GHz: > 20-24dB
120mm x 90mm x 62mm



FLATANT3x3

Flat Structure MIMO/MU-MIMO Antenna
3 elements on 2.4GHz and 5Ghz
Gain @ 5GHz: 6~7dBi
Gain @ 2.4GHz: 6~7dBi
Isolation @ 5GHz: > 30dB
Isolation @ 2.4GHz: > 35dB
117 mm x 105 mm

Cost Effective

MLE5N15HB

802.11na Directional
Gain: 15dBi (5.5-5.9GHz)
Polarity: V & H
Isolation: High (>40dB)

FLATANT2x2

Flat Structure MU-MIMO Antenna
2 elements on 2.4GHz and 5Ghz
Gain @ 5GHz: 6~8dBi
Gain @ 2.4GHz: 4~5dBi
Isolation @ 5GHz: > 30dB
Isolation @ 2.4GHz: > 35dB
107 mm x 105 mm

Mass Production

Q3 2018

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