ı|ı.ı|ı.
CISCO
The bridge to possible

Cisco Wireless WAN Routers and Modules

Contents

The latest enhancements in cellular connectivity and SD-WAN are allowing enterprises to augment their primary WAN connection with wireless using an active/active configuration. Faster speeds mean that wireless can be considered as primary connectivity alongside Internet and MPLS modes of transport. In addition, a wireless WAN also helps to bring up locations in remote places where MPLS or alternative connectivity is nonexistent.

Cisco's gigabit class, wireless WAN solutions offer 5G with new bands, enhanced capabilities and the ability to easily utilize 5G as both primary or backup connectivity. In addition to the industry's first SD-WAN 5G pluggable module, Cisco's cellular innovations provide secure connectivity, additional WAN coverage, and increased deployment flexibility. With Cisco SD-WAN, both enterprises and managed service providers can enable simplified cellular deployment and management.

Cisco® embedded and modular cellular offerings combine the latest generation of cellular technology with Cisco SD-WAN to provide your network with best-in-class security, performance, and wireless access.

Cisco Catalyst 8000 Edge Platforms Family and the 4000 Series ISRs, in addition to higher performance and slot capacity, offer pluggable cellular options that bring fixed wireless access to both traditional and SD-WAN networks in the enterprise branch, allowing greater flexibility of WAN connectivity.

Cisco 1000 Series Integrated Services Routers (ISRs) offer both embedded and pluggable cellular options and are well suited for deployment as Customer Premises Equipment (CPE) in enterprise branch offices and in service provider-managed environments, as well as for environments requiring a smaller form factor and Machine-to-Machine (M2M) use cases.

Note: Not all 5G/LTE SKU variants are available in every region with different technologies (check the Cisco Commerce [CCW] price list for your region).

Cisco Cellular Offerings

Cisco offers the broadest selection of SD-WAN ready cellular products together with its Enterprise Routing portfolio for all deployment types.
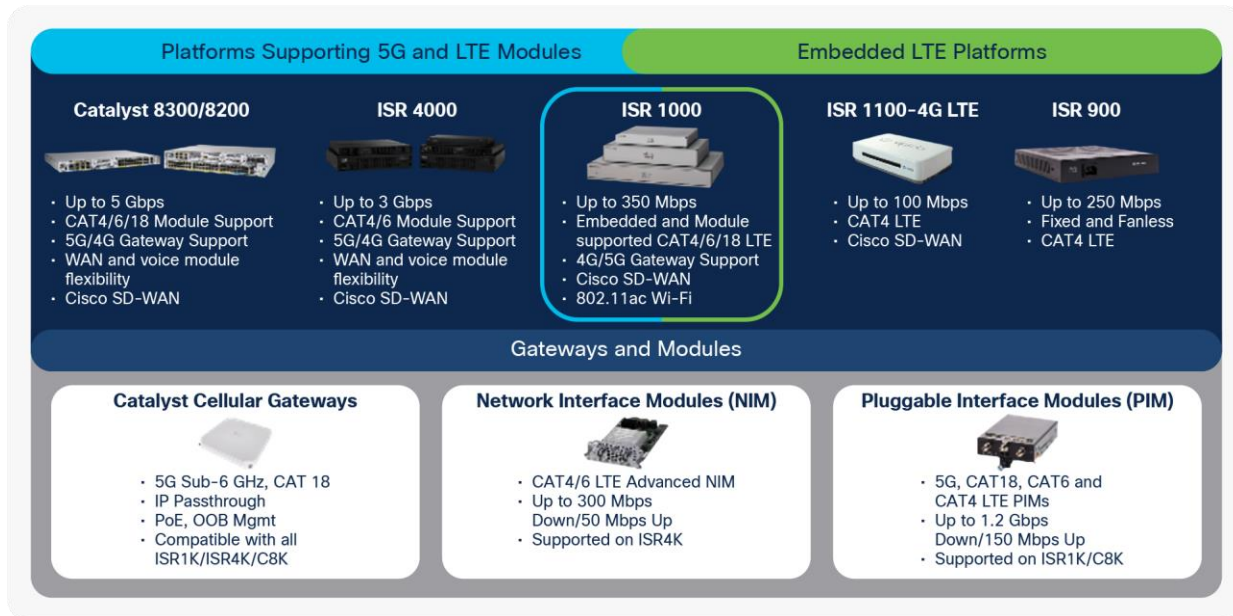

Figure 1.
Cisco Cellular WAN Platform Support

Offering Flexibility and Investment Protection

Cisco platforms offer the flexibility of fixed and modular options for enterprise deployments of all sizes. The 5G Pluggable Interface Module (PIM) offers **gigabit-plus throughput** allowing customers to build their networks with cellular as a primary connection type.

Ordering the Cisco cellular platforms

Note: Regarding the product ID (PID) naming below: For WWAN LTE Advanced Mobility, "LTEEA" applies to Europe, the Middle East, Africa, and Russia (EMEAR) and North America, and "LTELA" applies to Asia Pacific (APAC) and Latin America (LATAM).

Table 1 gives the SKUs for all Cisco cellular-enabled routers and modules, platforms the modules are supported on, cellular category, throughput, supported cellular bands, and SD-WAN support.

Table 1.   Cisco cellular modules (for country availability, please refer to CCW)

Product ID	Supported on	Cellular	Download/upload bandwidth	Bands supported	SD-WAN
P-5GS6-GL(=)	C8300-1N1S-6T C8300-1N1S-4T2X C8300-2N2S-6T C8300-2N2S-4T2X C1101-4PLTEP(W)* C1109-4PLTE2P* C1121-4PLTEP(W)* C1121(X)-8PLTEP* C1126(X)-8PLTEP* C1127(X)-8P(M)LTEP* C1128-8PLTEP* C1161(X)-8PLTEP* *Roadmap	5G	3.3 Gbps/400 Mbps	5G FR1 - n1, n2, n3, n5, n7, n8, n12, n20, n25, n28, n38, n40, n41, n48, n66, n71, n77, n78, n79 LTE bands 1-5, 7-8, 12-14, 17-20, 25, 26, 28-30, 32, 34, 38-43, 46(LAA), 48(CBRS), 66 and 71	Yes

Product ID	Supported on	Cellular	Download/upload bandwidth	Bands supported	SD-WAN
P-LTEAP18-GL(=)	C8300-1N1S-6T C8300-1N1S-4T2X C8300-2N2S-6T C8300-2N2S-4T2X C1101-4PLTEP(W) C1109-4PLTE2P C1121-4PLTEP(W) C1121(X)-8PLTEP C1126(X)-8PLTEP C1127(X)-8P(M)LTEP C1128-8PLTEP C1161(X)-8PLTEP	CAT18	1.2 Gbps/ 150 Mbps	LTE bands 1-5, 7, 8, 12-14, 17-20, 25, 26, 28-30, 32, 38-43, 46, 48, 66, and 71 FDD LTE 600 MHz (band 71), 700 MHz (bands 12, 13, 14, 17, 28, and 29), 800 MHz (band 20), 850 MHz (bands 5, 18, 19, and 26), 900 MHz (band 8), 1500 MHz (band 32), 1700 MHz (bands 4 and 66), 1800 MHz (band 3), 1900 MHz (bands 2 and 25), 2100 MHz (band 1), 2300 MHz (band 30), 2600 MHz (band 7) TDD LTE 1900 MHz (band 39), 2300 MHz (band 40), 2500 MHz (band 41), 2600 MHz (band 38), 3500 MHz (bands 42 and 48), 3700 MHz (band 43), and 5200 MHz (band 46)	Yes
D-LTE-AS(=)	C1101-4P C1101-4PLTEP(W) C1121-4P C1121-4PLTEP(W) C1121-8P C1121(X)-8PLTEP C1126(X)-8PLTEP C1127(X)-8P(M)LTEP C1128-8PLTEP C1161(X)-8P C1161(X)-8PLTEP	CAT4	75 Mbps/ 50 Mbps	LTE bands 1 (2100 MHz), 3 (1800 MHz), 5 (850 MHz), 8 (900 MHz), 40 (2300 MHz), and 41 (2500 MHz)	No

Product ID	Supported on	Cellular	Download/upload bandwidth	Bands supported	SD-WAN
D-LTE-NA(=)	C1101-4P C1101-4PLTEP(W) C1121-4P C1121-4PLTEP(W) C1121-8P C1121(X)-8PLTEP C1126(X)-8PLTEP C1127(X)-8P(M)LTEP C1128-8PLTEP C1161(X)-8P C1161(X)-8PLTEP	CAT4	75 Mbps/ 50 Mbps	LTE bands 2 (1900 MHz), 4 (1700 MHz), 5 (850 MHz), 12 (700 MHz), 13 (700 MHz), 14 (700 MHz), 17 (700 MHz), and 66 (1700 MHz)	No
D-LTE-GB(=)	C1101-4P C1101-4PLTEP(W) C1121-4P C1121-4PLTEP(W) C1121-8P C1121(X)-8PLTEP C1126(X)-8PLTEP C1127(X)-8P(M)LTEP C1128-8PLTEP C1161(X)-8P C1161(X)-8PLTEP	CAT4	75 Mbps/ 50 Mbps	LTE bands 1 (2100 MHz), 3 (1800 MHz), 7 (2600 MHz), 8 (900 MHz), 20 (800 MHz), and 28 (700 MHz)	No
NIM-4G-LTE-GA(=)	All Cisco 4200, 4300, and 4400 Series ISRs and ENCS 5400	CAT3	100 Mbps/ 50 Mbps	Europe, Australia, LTE bands 1, 3, 7, 8, and 20 (800 MHz [band 20], 900 MHz [band 8], 1800 MHz [band 3], 2100 MHz [band 1], and 2600 MHz [band 7])	No

Product ID	Supported on	Cellular	Download/upload bandwidth	Bands supported	SD-WAN
NIM-4G-LTE-LA(=)	All Cisco 4200, 4300, and 4400 Series ISRs and ENCS 5400	CAT4	150 Mbps/ 50 Mbps	LTE bands 1, 3, 5, 7, 8, 18, 19, 21, 28, 38, 39, 40, and 41 FDD LTE 700 MHz (band 28), 850 MHz (band 5 CLR), 850 MHz (bands 18 and 19 Low), 900 MHz (band 8), 1500 MHz (band 21), 1800 MHz (band 3), 2100 MHz (band 1), or 2600 MHz (band 7) TDD LTE 1900 MHz (band 39), 2300 MHz (band 40), 2500 MHz (band 41), or 2600 MHz (band 38) Carrier aggregation band combinations: 1+(8,18,19,21); 3+(5,7,19,28); 7+(5,7,28); 19+21, 38+38, 39+39,40+40, and 41+41	No
NIM-4G-LTE-NA(=)	All Cisco 4200, 4300, and 4400 Series ISRs and ENCS 5400	CAT3	100 Mbps/ 50 Mbps	North America (ATT), LTE band 2 PCS (1900 MHz), band 5 (850 MHz), band 4 AWS (1700/2100 MHz), and band 17 (700 MHz)	No
NIM-4G-LTE-ST(=)	All Cisco 4200, 4300, and 4400 Series ISRs and ENCS 5400	CAT3	100 Mbps/ 50 Mbps	Sprint, LTE band 25 extended PCS (1900 MHz)	No
NIM-4G-LTE-VZ(=)	All Cisco 4200, 4300, and 4400 Series ISRs and ENCS 5400	CAT3	100 Mbps/ 50 Mbps	Verizon, LTE band 4 AWS (1700 and 2100 MHz), and band 13 (700 MHz)	No
NIM-LTEA-EA(=)	All Cisco 4200, 4300, and 4400 Series ISRs and ENCS 5400	CAT6	300 Mbps/ 50 Mbps	LTE bands 1–5, 7, 12, 13, 20, 25, 26, 29, 30, and 41 FDD LTE 700 MHz (band 12), 700 MHz (band 29), 800 MHz (band 20), 850 MHz (band 5 CLR), 850 MHz (band 26 Low), 900 MHz (band 8), 1800 MHz (band 3), 1900 MHz (band 2), 1900 MHz (PCS band 25), 1700 and 2100 MHz (band 4 AWS), 2100 MHz (band 1), 2300 MHz (band 30), or 2600 MHz (band 7) TDD LTE 2500 MHz (band 41) Carrier aggregation band combinations: 1+8; 2+(2,5,12,13,29); 3+(7,20); 4+(4,5,12,13,29); 7+(7,20); 12+30, 5+30, and 41+41	No

Product ID	Supported on	Cellular	Download/upload bandwidth	Bands supported	SD-WAN
NIM-LTEA-LA(=)	All Cisco 4200, 4300, and 4400 Series ISRs and ENCS 5400	CAT6	300 Mbps/ 50 Mbps	LTE bands 1, 3, 5, 7, 8, 18, 19, 21, 28, 38, 39, 40, and 41 FDD LTE 700 MHz (band 28), 850 MHz (band 5 CLR), 850 MHz (bands 18 and 19 Low), 900 MHz (band 8), 1500 MHz (band 21), 1800 MHz (band 3), 2100 MHz (band 1), or 2600 MHz (band 7) TDD LTE 1900 MHz (band 39), 2300 MHz (band 40), 2500 MHz (band 41), or 2600 MHz (band 38) Carrier aggregation band combinations: 1+(8,18,19,21); 3+(5,7,19,28); 7+(5,7,28); 19+21, 38+38, 39+39,40+40, and 41+41	No
P-LTEA-EA(=)	C1101–4PLTEP(W) C1109–4PLTE2P(W) C1121–4PLTEP(W) C1121(X)–8PLTEP C1126(X)–8PLTEP C1127(X)–8P(M)LTEP C1128–8PLTEP C1161(X)–8PLTEP	CAT6	300 Mbps/ 50 Mbps	LTE bands 1–5, 7, 12, 13, 20, 25, 26, 29, 30, and 41 FDD LTE 700 MHz (band 12), 700 MHz (band 29), 800 MHz (band 20), 850 MHz (band 5 CLR), 850 MHz (band 26 Low), 900 MHz (band 8), 1800 MHz (band 3), 1900 MHz (band 2), 1900 MHz (PCS band 25), 1700 and 2100 MHz (band 4 AWS), 2100 MHz (band 1), 2300 MHz (band 30), or 2600 MHz (band 7) TDD LTE 2500 MHz (band 41) Carrier aggregation band combinations: 1+8; 2+(2,5,12,13,29); 3+(7,20); 4+(4,5,12,13,29); 7+(7,20); 12+30, 5+30, and 41+41	Yes
P-LTEA-LA(=)	C1101–4PLTEP(W) C1109–4PLTE2P(W) C1121–4PLTEP(W) C1121(X)–8PLTEP C1126(X)–8PLTEP C1127(X)–8P(M)LTEP C1128–8PLTEP C1161(X)–8PLTEP	CAT6	300 Mbps/ 50 Mbps	LTE bands 1, 3, 5, 7, 8, 18, 19, 21, 28, 38, 39, 40, and 41 FDD LTE 700 MHz (band 28), 850 MHz (band 5 CLR), 850 MHz (bands 18 and 19 Low), 900 MHz (band 8), 1500 MHz (band 21), 1800 MHz (band 3), 2100 MHz (band 1), or 2600 MHz (band 7) TDD LTE 1900 MHz (band 39), 2300 MHz (band 40), 2500 MHz (band 41), or 2600 MHz (band 38) Carrier aggregation band combinations: 1+(8,18,19,21); 3+(5,7,19,28); 7+(5,7,28); 19+21, 38+38, 39+39,40+40, and 41+41	Yes

Product ID	Supported on	Cellular	Download/upload bandwidth	Bands supported	SD-WAN
P-LTE-GB(=)	C1101-4PLTEP(W) C1109-4PLTE2P(W) C1121-4PLTEP(W) C1121(X)-8PLTEP C1126(X)-8PLTEP C1127(X)-8P(M)LTEP C1128-8PLTEP C1161(X)-8PLTEP	CAT4	150 Mbps/ 50 Mbps	LTE bands 1, 3, 7, 8, 20, and 28 FDD LTE 700 MHz (band 28), 800 MHz (band 20), 900 MHz (band 8), 1800 MHz (band 3), 2100 MHz (band 1), and 2600 MHz (band 7)	Yes
P-LTE-US(=)	C1101-4PLTEP(W) C1109-4PLTE2P(W) C1121-4PLTEP(W) C1121(X)-8PLTEP C1126(X)-8PLTEP C1127(X)-8P(M)LTEP C1128-8PLTEP C1161(X)-8PLTEP	CAT4	150 Mbps/ 50 Mbps	LTE bands 2, 4, 5, and 12 FDD LTE 700 MHz (band 17), 700 MHz (band 12), 850 MHz (band 5 CLR), and 1700 and 2100 MHz (band 4 AWS)	Yes
P-LTE-VZ(=)	C1101-4PLTEP(W) C1109-4PLTE2P(W) C1121-4PLTEP(W) C1121(X)-8PLTEP C1126(X)-8PLTEP C1127(X)-8P(M)LTEP C1128-8PLTEP C1161(X)-8PLTEP	CAT4	150 Mbps/ 50 Mbps	LTE bands 4 and13 FDD LTE 700 MHz (band 13), and 1700 and 2100 MHz (band 4 AWS)	Yes

Product ID	Supported on	Cellular	Download/upload bandwidth	Bands supported	SD-WAN
P-LTE-IN(=)	C1101-4PLTEP(W) C1109-4PLTE2P(W) C1121-4PLTEP(W) C1121(X)-8PLTEP C1126(X)-8PLTEP C1127(X)-8P(M)LTEP C1128-8PLTEP C1161(X)-8PLTEP	CAT4	150 Mbps/ 50 Mbps	Bands 1, 3, 5, 8, 40, 41	No
P-LTE-JN	C1101-4PLTEP(W) C1109-4PLTE2P(W) C1121-4PLTEP(W) C1121(X)-8PLTEP C1126(X)-8PLTEP C1127(X)-8P(M)LTEP C1128-8PLTEP C1161(X)-8PLTEP	CAT4	150 Mbps/ 50 Mbps	LTE Bands 1, 3, 8, 11, 18, 19, 21	No
WIM-LTE-AS	C841M-4X C841M-8X	CAT4	150 Mbps/ 50 Mbps	• LTE Category 4: Bands 1, 3, 5, 8, 40, and 41 • HSPA+, UMTS: Bands 1 and 8 • EDGE, GSM, GPRS: 900/1800 • Frequency (MHz): 1920–1980, 2110–2170, 1710–1785, 1805–1880, 824–849, 869–894, 880–915, 925–960, and 2300–2400	No
WIM-LTE-LT	C841M-4X C841M-8X	CAT4	150 Mbps/ 50 Mbps	WIM-LTE-LT • LTE Category 4: Bands 2, 4, 5, and 12 • HSPA+: Bands 2, 4, and 5	No
WIM-LTE-AL	C841M-4X C841M-8X	CAT4	150 Mbps/ 50 Mbps	WIM-LTE-AL • LTE Category 4: Bands 1, 3, 7, 8, 20, and 28 • HSPA+, UMTS: Bands1 and 8 • EDGE, GSM, GPRS: 900/1800	No

Table 2.   Cisco cellular embedded routers (for country availability, refer to CCW)

Product ID	LTE	Download/ upload Bandwidth	Bands supported	SD-WAN
C1109-2PLTEGB	CAT4	150 Mbps/ 50 Mbps	LTE bands 1, 3, 7, 8, 20, and 28 FDD LTE 700 MHz (band 28), 800 MHz (band 20), 900 MHz (band 8), 1800 MHz (band 3), 2100 MHz (band 1), and 2600 MHz (band 7)	Yes
C1109-2PLTEUS	CAT4	150 Mbps/ 50 Mbps	LTE bands 2, 4, 5, and 12 FDD LTE 700 MHz (band 17), 700 MHz (band 12), 850 MHz (band 5 CLR), and 1700 and 2100 MHz (band 4 AWS)	Yes
C1109-2PLTEVZ	CAT4	150 Mbps/ 50 Mbps	LTE bands 4 and 13 FDD LTE 700 MHz (band 13) and 1700 and 2100 MHz (band 4 AWS)	Yes
C1111-4PLTEEA	CAT6	300 Mbps/ 50 Mbps	LTE bands 1–5, 7, 12, 13, 20, 25, 26, 29, 30, and 41 FDD LTE 700 MHz (band 12), 700 MHz (band 29), 800 MHz (band 20), 850 MHz (band 5 CLR), 850 MHz (band 26 Low), 900 MHz (band 8), 1800 MHz (band 3), 1900 MHz (band 2), 1900 MHz (PCS band 25), 1700 and 2100 MHz (band 4 AWS), 2100 MHz (band 1), 2300 MHz (band 30), or 2600 MHz (band 7) TDD LTE 2500 MHz (band 41) Carrier aggregation band combinations: 1+8; 2+(2,5,12,13,29); 3+(7,20); 4+(4,5,12,13,29); 7+(7,20); 12+30, 5+30, and 41+41	Yes
C1111-4PLTELA	CAT6	300 Mbps/ 50 Mbps	LTE bands 1, 3, 5, 7, 8, 18, 19, 21, 28, 38, 39, 40, and 41. FDD LTE 700 MHz (band 28), 850 MHz (band 5 CLR), 850 MHz (bands 18 and 19 Low), 900 MHz (band 8), 1500 MHz (band 21), 1800 MHz (band 3), 2100 MHz (band 1), or 2600 MHz (band 7) TDD LTE 1900 MHz (band 39), 2300 MHz (band 40), 2500 MHz (band 41), or 2600 MHz (band 38) Carrier aggregation band combinations: 1+(8,18,19,21); 3+(5,7,19,28); 7+(5,7,28); 19+21, 38+38, 39+39,40+40, and 41+41	Yes

Product ID	LTE	Download/upload Bandwidth	Bands supported	SD-WAN
C1111-8PLTEEA	CAT6	300 Mbps/ 50 Mbps	LTE bands 1–5, 7, 12, 13, 20, 25, 26, 29, 30, and 41 FDD LTE 700 MHz (band 12), 700 MHz (band 29), 800 MHz (band 20), 850 MHz (band 5 CLR), 850 MHz (band 26 Low), 900 MHz (band 8), 1800 MHz (band 3), 1900 MHz (band 2), 1900 MHz (PCS band 25), 1700 and 2100 MHz (band 4 AWS), 2100 MHz (band 1), 2300 MHz (band 30), or 2600 MHz (band 7) TDD LTE 2500 MHz (band 41) Carrier aggregation band combinations: 1+8; 2+(2,5,12,13,29); 3+(7,20); 4+(4,5,12,13,29); 7+(7,20); 12+30, 5+30, and 41+41	Yes
C1111-8PLTEEA WX* (Wi-Fi domain WX; X = A, B, E, R)	CAT6	300 Mbps/ 50 Mbps	LTE bands 1–5, 7, 12, 13, 20, 25, 26, 29, 30, and 41 FDD LTE 700 MHz (band 12), 700 MHz (band 29), 800 MHz (band 20), 850 MHz (band 5 CLR), 850 MHz (band 26 Low), 900 MHz (band 8), 1800 MHz (band 3), 1900 MHz (band 2), 1900 MHz (PCS band 25), 1700 and 2100 MHz (band 4 AWS), 2100 MHz (band 1), 2300 MHz (band 30), or 2600 MHz (band 7) TDD LTE 2500 MHz (band 41) Carrier aggregation band combinations: 1+8; 2+(2,5,12,13,29); 3+(7,20); 4+(4,5,12,13,29); 7+(7,20); 12+30, 5+30, and 41+41	Yes
C1111-8PLTELA	CAT6	300 Mbps/ 50 Mbps	LTE bands 1, 3, 5, 7, 8, 18, 19, 21, 28, 38, 39, 40, and 41 FDD LTE 700 MHz (band 28), 850 MHz (band 5 CLR), 850 MHz (bands 18 and 19 Low), 900 MHz (band 8), 1500 MHz (band 21), 1800 MHz (band 3), 2100 MHz (band 1), or 2600 MHz (band 7) TDD LTE 1900 MHz (band 39), 2300 MHz (band 40), 2500 MHz (band 41), or 2600 MHz (band 38) Carrier aggregation band combinations: 1+(8,18,19,21); 3+(5,7,19,28); 7+(5,7,28); 19+21, 38+38, 39+39,40+40, and 41+41	Yes
C1111-8PLTELA WY* (Wi-Fi domain WY; Y = D, F, H, N, Q, Z S, E, and A)	CAT6	300 Mbps/ 50 Mbps	LTE bands 1, 3, 5, 7, 8, 18, 19, 21, 28, 38, 39, 40, and 41 FDD LTE 700 MHz (band 28), 850 MHz (band 5 CLR), 850 MHz (bands 18 and 19 Low), 900 MHz (band 8), 1500 MHz (band 21), 1800 MHz (band 3), 2100 MHz (band 1), or 2600 MHz (band 7) TDD LTE 1900 MHz (band 39), 2300 MHz (band 40), 2500 MHz (band 41), or 2600 MHz (band 38) Carrier aggregation band combinations: 1+(8,18,19,21); 3+(5,7,19,28); 7+(5,7,28); 19+21, 38+38, 39+39,40+40, and 41+41	Yes

Product ID	LTE	Download/ upload Bandwidth	Bands supported	SD-WAN
C1112-8PLTEEA	CAT6	300 Mbps/ 50 Mbps	LTE bands 1–5, 7, 12, 13, 20, 25, 26, 29, 30, and 41 FDD LTE 700 MHz (band 12), 700 MHz (band 29), 800 MHz (band 20), 850 MHz (band 5 CLR), 850 MHz (band 26 Low), 900 MHz (band 8), 1800 MHz (band 3), 1900 MHz (band 2), 1900 MHz (PCS band 25), 1700 and 2100 MHz (band 4 AWS), 2100 MHz (band 1), 2300 MHz (band 30), or 2600 MHz (band 7) TDD LTE 2500 MHz (band 41) Carrier aggregation band combinations: 1+8; 2+(2,5,12,13,29); 3+(7,20); 4+(4,5,12,13,29); 7+(7,20); 12+30, 5+30, and 41+41	Yes
C1112-8PLTEEA WE	CAT6	300 Mbps/ 50 Mbps	LTE bands 1–5, 7, 12, 13, 20, 25, 26, 29, 30, and 41. FDD LTE 700 MHz (band 12), 700 MHz (band 29), 800 MHz (band 20), 850 MHz (band 5 CLR), 850 MHz (band 26 Low), 900 MHz (band 8), 1800 MHz (band 3), 1900 MHz (band 2), 1900 MHz (PCS band 25), 1700 and 2100 MHz (band 4 AWS), 2100 MHz (band 1), 2300 MHz (band 30), or 2600 MHz (band 7). TDD LTE 2500 MHz (band 41) Carrier aggregation band combinations: 1+8; 2+(2,5,12,13,29); 3+(7,20); 4+(4,5,12,13,29); 7+(7,20); 12+30, 5+30, and 41+41	Yes
C1113-8PLTEEA	CAT6	300 Mbps/ 50 Mbps	LTE bands 1–5, 7, 12, 13, 20, 25, 26, 29, 30, and 41 FDD LTE 700 MHz (band 12), 700 MHz (band 29), 800 MHz (band 20), 850 MHz (band 5 CLR), 850 MHz (band 26 Low), 900 MHz (band 8), 1800 MHz (band 3), 1900 MHz (band 2), 1900 MHz (PCS band 25), 1700 and 2100 MHz (band 4 AWS), 2100 MHz (band 1), 2300 MHz (band 30), or 2600 MHz (band 7) TDD LTE 2500 MHz (band 41) Carrier aggregation band combinations: 1+8; 2+(2,5,12,13,29); 3+(7,20); 4+(4,5,12,13,29); 7+(7,20); 12+30, 5+30, and 41+41	Yes

Product ID	LTE	Download/upload Bandwidth	Bands supported	SD-WAN
C1113-8PLTEEA WX* (Wi-Fi domain WX; X = B, E)	CAT6	300 Mbps/ 50 Mbps	LTE bands 1–5, 7, 12, 13, 20, 25, 26, 29, 30, and 41 FDD LTE 700 MHz (band 12), 700 MHz (band 29), 800 MHz (band 20), 850 MHz (band 5 CLR), 850 MHz (band 26 Low), 900 MHz (band 8), 1800 MHz (band 3), 1900 MHz (band 2), 1900 MHz (PCS band 25), 1700 and 2100 MHz (band 4 AWS), 2100 MHz (band 1), 2300 MHz (band 30), or 2600 MHz (band 7) TDD LTE 2500 MHz (band 41) Carrier aggregation band combinations: 1+8; 2+(2,5,12,13,29); 3+(7,20); 4+(4,5,12,13,29); 7+(7,20); 12+30, 5+30, and 41+41	Yes
C1113-8PLTELA	CAT6	300 Mbps/ 50 Mbps	LTE bands 1, 3, 5, 7, 8, 18, 19, 21, 28, 38, 39, 40, and 41 FDD LTE 700 MHz (band 28), 850 MHz (band 5 CLR), 850 MHz (bands 18 and 19 Low), 900 MHz (band 8), 1500 MHz (band 21), 1800 MHz (band 3), 2100 MHz (band 1), or 2600 MHz (band 7). TDD LTE 1900 MHz (band 39), 2300 MHz (band 40), 2500 MHz (band 41), or 2600 MHz (band 38) Carrier aggregation band combinations: 1+(8,18,19,21); 3+(5,7,19,28); 7+(5,7,28); 19+21, 38+38, 39+39,40+40, and 41+41	Yes
C1113-8PLTELA WZ	CAT6	300 Mbps/ 50 Mbps	LTE bands 1, 3, 5, 7, 8, 18, 19, 21, 28, 38, 39, 40, and 41 FDD LTE 700 MHz (band 28), 850 MHz (band 5 CLR), 850 MHz (bands 18 and 19 Low), 900 MHz (band 8), 1500 MHz (band 21), 1800 MHz (band 3), 2100 MHz (band 1), or 2600 MHz (band 7) TDD LTE 1900 MHz (band 39), 2300 MHz (band 40), 2500 MHz (band 41), or 2600 MHz (band 38) Carrier aggregation band combinations: 1+(8,18,19,21); 3+(5,7,19,28); 7+(5,7,28); 19+21, 38+38, 39+39,40+40, and 41+41	Yes
C1113-8PMLTEEA	CAT6	300 Mbps/ 50 Mbps	LTE bands 1–5, 7, 12, 13, 20, 25, 26, 29, 30, and 41 FDD LTE 700 MHz (band 12), 700 MHz (band 29), 800 MHz (band 20), 850 MHz (band 5 CLR), 850 MHz (band 26 Low), 900 MHz (band 8), 1800 MHz (band 3), 1900 MHz (band 2), 1900 MHz (PCS band 25), 1700 and 2100 MHz (band 4 AWS), 2100 MHz (band 1), 2300 MHz (band 30), or 2600 MHz (band 7) TDD LTE 2500 MHz (band 41) Carrier aggregation band combinations: 1+8; 2+(2,5,12,13,29); 3+(7,20); 4+(4,5,12,13,29); 7+(7,20); 12+30, 5+30, and 41+41	Yes

Product ID	LTE	Download/ upload Bandwidth	Bands supported	SD-WAN
C1116-4PLTEEA	CAT6	300 Mbps/ 50 Mbps	LTE bands 1–5, 7, 12, 13, 20, 25, 26, 29, 30, and 41 FDD LTE 700 MHz (band 12), 700 MHz (band 29), 800 MHz (band 20), 850 MHz (band 5 CLR), 850 MHz (band 26 Low), 900 MHz (band 8), 1800 MHz (band 3), 1900 MHz (band 2), 1900 MHz (PCS band 25), 1700 and 2100 MHz (band 4 AWS), 2100 MHz (band 1), 2300 MHz (band 30), or 2600 MHz (band 7). TDD LTE 2500 MHz (band 41) Carrier aggregation band combinations: 1+8; 2+(2,5,12,13,29); 3+(7,20); 4+(4,5,12,13,29); 7+(7,20); 12+30, 5+30, and 41+41	Yes
C1116-4PLTEEA WE	CAT6	300 Mbps/ 50 Mbps	LTE bands 1–5, 7, 12, 13, 20, 25, 26, 29, 30, and 41 FDD LTE 700 MHz (band 12), 700 MHz (band 29), 800 MHz (band 20), 850 MHz (band 5 CLR), 850 MHz (band 26 Low), 900 MHz (band 8), 1800 MHz (band 3), 1900 MHz (band 2), 1900 MHz (PCS band 25), 1700 and 2100 MHz (band 4 AWS), 2100 MHz (band 1), 2300 MHz (band 30), or 2600 MHz (band 7) TDD LTE 2500 MHz (band 41) Carrier aggregation band combinations: 1+8; 2+(2,5,12,13,29); 3+(7,20); 4+(4,5,12,13,29); 7+(7,20); 12+30, 5+30, and 41+41	Yes
C1117-4PLTEEA	CAT6	300 Mbps/ 50 Mbps	LTE bands 1–5, 7, 12, 13, 20, 25, 26, 29, 30, and 41 FDD LTE 700 MHz (band 12), 700 MHz (band 29), 800 MHz (band 20), 850 MHz (band 5 CLR), 850 MHz (band 26 Low), 900 MHz (band 8), 1800 MHz (band 3), 1900 MHz (band 2), 1900 MHz (PCS band 25), 1700 and 2100 MHz (band 4 AWS), 2100 MHz (band 1), 2300 MHz (band 30), or 2600 MHz (band 7) TDD LTE 2500 MHz (band 41) Carrier aggregation band combinations: 1+8; 2+(2,5,12,13,29); 3+(7,20); 4+(4,5,12,13,29); 7+(7,20); 12+30, 5+30, and 41+41	Yes
C1117-4PLTEEA WX* (Wi-Fi domain WX; X = A, E)	CAT6	300 Mbps/ 50 Mbps	LTE bands 1–5, 7, 12, 13, 20, 25, 26, 29, 30, and 41 FDD LTE 700 MHz (band 12), 700 MHz (band 29), 800 MHz (band 20), 850 MHz (band 5 CLR), 850 MHz (band 26 Low), 900 MHz (band 8), 1800 MHz (band 3), 1900 MHz (band 2), 1900 MHz (PCS band 25), 1700 and 2100 MHz (band 4 AWS), 2100 MHz (band 1), 2300 MHz (band 30), or 2600 MHz (band 7) TDD LTE 2500 MHz (band 41) Carrier aggregation band combinations: 1+8; 2+(2,5,12,13,29); 3+(7,20); 4+(4,5,12,13,29); 7+(7,20); 12+30, 5+30, and 41+41	Yes

Product ID	LTE	Download/ upload Bandwidth	Bands supported	SD-WAN
C1117- 4PLTELA	CAT6	300 Mbps/ 50 Mbps	LTE bands 1, 3, 5, 7, 8, 18, 19, 21, 28, 38, 39, 40, and 41 FDD LTE 700 MHz (band 28), 850 MHz (band 5 CLR), 850 MHz (bands 18 and 19 Low), 900 MHz (band 8), 1500 MHz (band 21), 1800 MHz (band 3), 2100 MHz (band 1), or 2600 MHz (band 7) TDD LTE 1900 MHz (band 39), 2300 MHz (band 40), 2500 MHz (band 41), or 2600 MHz (band 38) Carrier aggregation band combinations: 1+(8,18,19,21); 3+(5,7,19,28); 7+(5,7,28); 19+21, 38+38, 39+39,40+40, and 41+41	Yes
C1117- 4PLTELA WZ	CAT6	300 Mbps/ 50 Mbps	LTE bands 1, 3, 5, 7, 8, 18, 19, 21, 28, 38, 39, 40, and 41 FDD LTE 700 MHz (band 28), 850 MHz (band 5 CLR), 850 MHz (bands 18 and 19 Low), 900 MHz (band 8), 1500 MHz (band 21), 1800 MHz (band 3), 2100 MHz (band 1), or 2600 MHz (band 7) TDD LTE 1900 MHz (band 39), 2300 MHz (band 40), 2500 MHz (band 41), or 2600 MHz (band 38) Carrier aggregation band combinations: 1+(8,18,19,21); 3+(5,7,19,28); 7+(5,7,28); 19+21, 38+38, 39+39,40+40, and 41+41	Yes
C1117- 4PMLTEEA	CAT6	300 Mbps/ 50 Mbps	LTE bands 1–5, 7, 12, 13, 20, 25, 26, 29, 30, and 41 FDD LTE 700 MHz (band 12), 700 MHz (band 29), 800 MHz (band 20), 850 MHz (band 5 CLR), 850 MHz (band 26 Low), 900 MHz (band 8), 1800 MHz (band 3), 1900 MHz (band 2), 1900 MHz (PCS band 25), 1700 and 2100 MHz (band 4 AWS), 2100 MHz (band 1), 2300 MHz (band 30), or 2600 MHz (band 7) TDD LTE 2500 MHz (band 41) Carrier aggregation band combinations: 1+8; 2+(2,5,12,13,29); 3+(7,20); 4+(4,5,12,13,29); 7+(7,20); 12+30, 5+30, and 41+41	Yes
C1117- 4PMLTEEA WE	CAT6	300 Mbps/ 50 Mbps	LTE bands 1–5, 7, 12, 13, 20, 25, 26, 29, 30, and 41 FDD LTE 700 MHz (band 12), 700 MHz (band 29), 800 MHz (band 20), 850 MHz (band 5 CLR), 850 MHz (band 26 Low), 900 MHz (band 8), 1800 MHz (band 3), 1900 MHz (band 2), 1900 MHz (PCS band 25), 1700 and 2100 MHz (band 4 AWS), 2100 MHz (band 1), 2300 MHz (band 30), or 2600 MHz (band 7) TDD LTE 2500 MHz (band 41) Carrier aggregation band combinations: 1+8; 2+(2,5,12,13,29); 3+(7,20); 4+(4,5,12,13,29); 7+(7,20); 12+30, 5+30, and 41+41	Yes

Product ID	LTE	Download/ upload Bandwidth	Bands supported	SD-WAN
C921-4PLTEAU	CAT4	150 Mbps/ 50 Mbps	LTE bands 1, 3, 5, 7, 8, and 28 FDD LTE 700 MHz (band 28), 850 MHz (band 5 CLR), 900 MHz (band 8), 1800 MHz (band 3), 2100 MHz (band 1), and 2600 MHz (band 7)	No
C921-4PLTEAS	CAT4	150 Mbps/ 50 Mbps	LTE bands 1, 3, 5, 8, 40, 41 FDD LTE 850 MHz (band 5 CLR), 900 MHz (band 8), 1800 MHz (band 3), and 2100 MHz (band 1). TDD LTE 2300 MHz (band 40), and 2500 MHz (band 41)	No
C921-4PLTEGB	CAT4	150 Mbps/ 50 Mbps	LTE bands 1, 3, 7, 8, 20, and 28 FDD LTE 700 MHz (band 28), 800 MHz (band 20), 900 MHz (band 8), 1800 MHz (band 3), 2100 MHz (band 1), and 2600 MHz (band 7)	No
C926-4PLTEGB	CAT4	150 Mbps/ 50 Mbps	LTE bands 1, 3, 7, 8, 20, and 28 FDD LTE 700 MHz (band 28), 800 MHz (band 20), 900 MHz (band 8), 1800 MHz (band 3), 2100 MHz (band 1), and 2600 MHz (band 7)	No
C927-4PLTEAU	CAT4	150 Mbps/ 50 Mbps	LTE bands 1, 3, 5, 7, 8, and 28 FDD LTE 700 MHz (band 28), 850 MHz (band 5 CLR), 900 MHz (band 8), 1800 MHz (band 3), 2100 MHz (band 1), and 2600 MHz (band 7)	No
C927-4P(M)LTE GB	CAT4	150 Mbps/ 50 Mbps	LTE bands 1, 3, 7, 8, 20, and 28 FDD LTE 700 MHz (band 28), 800 MHz (band 20), 900 MHz (band 8), 1800 MHz (band 3), 2100 MHz (band 1), and 2600 MHz (band 7)	No
C927-4PLTENA	CAT4	150 Mbps/ 50 Mbps	LTE bands 1, 3, 7, 8, 20, and 28 FDD LTE 700 MHz (band 28), 800 MHz (band 20), 900 MHz (band 8), 1800 MHz (band 3), 2100 MHz (band 1), and 2600 MHz (band 7)	No

Product ID	LTE	Download/upload Bandwidth	Bands supported	SD-WAN
ISR1100-4GLTEGB	CAT4	150 Mbps/50 Mbps	LTE: Bands1, 3, 7, 8, 20, and 28 HSPA+, UMTS: Bands 1 and 8 GSM/GPRS/EDGE: E-GSM 900 MHz, DCS 1800 MHz	Yes
ISR1100-4GLTENA	CAT4	150 Mbps/ 50 Mbps	LTE: Bands 2, 4, 5, 12, 13, 14, 17, and 66 UMTS: Bands 2, 4, and 5	Yes

Optional WAN pluggable LTE module selection (5G,CAT18 LTE Advanced Pro, CAT6 LTE Advanced, or CAT4 LTE):

- Firmware selection is required for 5G,LTE Advanced and LTE Advanced Pro.

Figure 2.
CCW firmware ordering

Figure 3.
CCW WAN pluggable firmware selection

Optional WAN USB LTE selection (CAT4 LTE dongle):

- Cisco IOS® Software version and type (16.12.X is required with dongle) must be selected.

- Magnetic holder is an accessory PID. It is available under LTE‑Dongle.

Figure 4.
CCW WAN USB dongle and WAN dongle accessory ordering for C1101-4PLTEP

Cisco and partner services

Services from Cisco and our certified partners can help you reduce the cost and complexity of branch-office deployments. Cisco Smart Net Total Care® technical support for the Cisco 1000 Series ISRs is available on a one-time or annual contract basis. Support options range from help-desk assistance to proactive, onsite consultation.

For more information, visit https://www.cisco.com/c/en/us/services/overview.html.

Cisco environmental sustainability

Information about Cisco's environmental sustainability policies and initiatives for our products, solutions, operations, and extended operations or supply chain is provided in the "Environment Sustainability" section of Cisco's Corporate Social Responsibility (CSR) Report.

Reference links to information about key environmental sustainability topics (mentioned in the "Environment Sustainability" section of the CSR Report) are provided in the following table:

Sustainability topic	Reference
Information on product material content laws and regulations	Materials
Information on electronic waste laws and regulations, including products, batteries, and packaging	WEEE compliance

Cisco makes the packaging data available for informational purposes only. It may not reflect the most current legal developments, and Cisco does not represent, warrant, or guarantee that it is complete, accurate, or up to date. This information is subject to change without notice.

Ordering information

To place an order, visit the Cisco Ordering homepage. To download software, visit the Cisco Software Center.

Cisco Capital

Flexible payment solutions to help you achieve your objectives

Cisco Capital makes it easier to get the right technology to achieve your objectives, enable business transformation and help you stay competitive. We can help you reduce the total cost of ownership, conserve capital, and accelerate growth. In more than 100 countries, our flexible payment solutions can help you acquire hardware, software, services and complementary third-party equipment in easy, predictable payments. Learn more.

For more information

For more information about the Catalyst Edge Platforms, Cisco 1000 or 4000 Series ISRs, visit

https://www.cisco.com/site/us/en/products/networking/sdwan-routers/catalyst-8300-series-platform/index.html or https://www.cisco.com/c/en/us/products/routers/1000-series-integrated-services-routers-isr/index.html or https://www.cisco.com/c/en/us/products/collateral/routers/4000-series-integrated-services-routers-isr/data_sheet-c78-732542.html or contact your local Cisco account representative.