Cisco Wireless WAN Routers and Modules

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The latest enhancements in cellular technology are enabling enterprises to augment their wired WAN uplinks with cellular WAN – also known as Fixed Wireless Access (FWA). 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 Standalone (SA) 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, in addition to higher performance and slot capacity, offers 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, also known as CCW, price list for your region).

Cisco Cellular offerings

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

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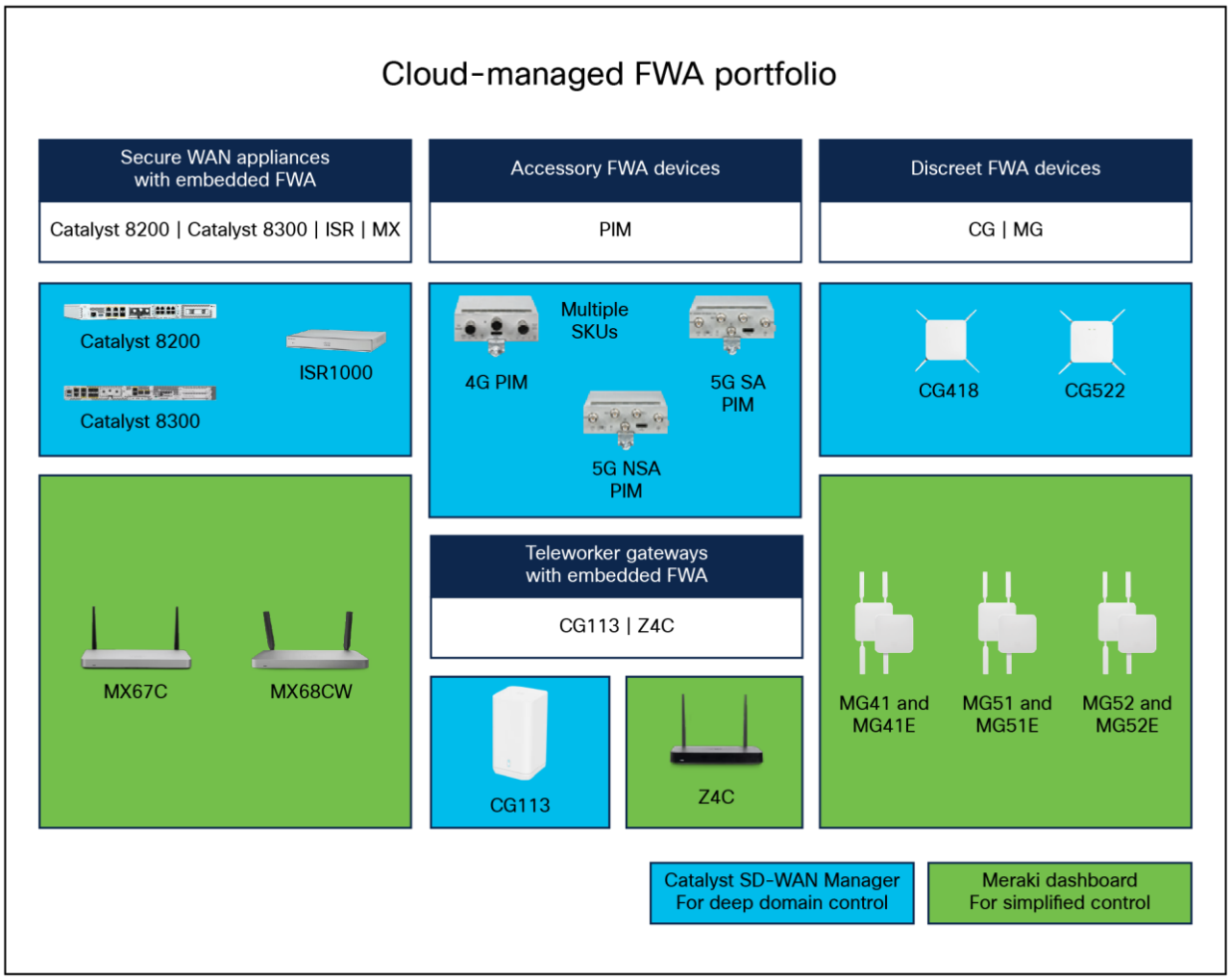


Figure 1.
Cisco FWA Portfolio

Offering flexibility and investment protection

Cisco platforms offer the flexibility of fixed and modular options for enterprise deployments of all sizes. The 5G Standalone (SA) and Non-Standalone (NSA) Pluggable Interface Modules (PIMs) offer **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).

Tables 1 and 2 give the SKUs for all Cisco cellular-enabled modules (Table 1) and routers (Table 2), platforms the modules are supported on (Table 1 only), cellular category, throughput, supported cellular bands, and SD-WAN support.

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

Product ID	Supported on	Cellular	Download/upload bandwidth	Bands supported	SD-WAN
P-5GS6-R16SA-GL(=)	C8200-1N-4T C8200L-1N-4T C8300-1N1S-4T2X C8300-1N1S-6T C8300-2N2S-4T2X C8300-2N2S-6T C1101-4PLTEP(W)* C1109-4PLTE2P(W)* C1121-4PLTEP* C1121(X)-8PLTEP(W)* C1126(X)-8PLTEP C1127(X)-8P(M)LTEP C1128-8PLTEP C1131(X)-8PLTEPW* C1161(X)-8PLTEP* * Multiple variants available. Different variants have different characters behind nomenclature listed.	5G Standalone (SA)	3.6 Gbps/ 450 Mbps	5G FR1 bands n1-3, n5, n7, n8, n12-14, n18, n20, n25, n26, n28-30, n38, n40, n41, n48, n66, n70, n71, n75-79 LTE bands 1-5, 7-8, 12-14, 17-20, 25, 26, 28-30, 32, 34, 38-43, 46(LAA), 48(CBRS), 66, 71	Yes

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Product ID	Supported on	Cellular	Download/upload bandwidth	Bands supported	SD-WAN
P-5GS6-GL(=)	C8200-1N-4T C8200L-1N-4T C8300-1N1S-4T2X C8300-1N1S-6T C8300-2N2S-4T2X C8300-2N2S-6T C1101-4PLTEP(W)* C1109-4PLTE2P(W)* C1121-4PLTEP* C1121(X)-8PLTEP(W)* C1126(X)-8PLTEP C1127(X)-8P(M)LTEP C1128-8PLTEP C1131(X)-8PLTEPW* C1161(X)-8PLTEP* *Multiple variants available. Different variants have different characters behind nomenclature listed.	5G	3.3 Gbps/ 400 Mbps	5G FR1 bands n1-3, n5, n7, n8, n12, n20, n25, n28, n38, n40, n41, n48, n66, n71, n77-79 LTE bands 1-5, 7, 8, 12-14, 17-20, 25, 26, 28-30, 32, 34, 38-43, 46(LAA), 48(CBRS), 66, 71	Yes
P-LTEAP18-GL(=)	C8200-1N-4T C8200L-1N-4T C8300-1N1S-4T2X C8300-1N1S-6T C8300-2N2S-4T2X C8300-2N2S-6T C1101-4PLTEP(W)* C1109-4PLTE2P(W)* C1121-4PLTEP* C1121(X)-8PLTEP(W)* C1126(X)-8PLTEP C1127(X)-8P(M)LTEP C1128-8PLTEP C1131(X)-8PLTEPW* C1161(X)-8PLTEP* *Multiple variants available. Different variants have different characters behind nomenclature listed.	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, 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), 5200 MHz (band 46)	Yes

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Product ID	Supported on	Cellular	Download/upload bandwidth	Bands supported	SD-WAN
P-LTEA7-NA(=)	C8200-1N-4T C8200L-1N-4T C8300-1N1S-4T2X C8300-1N1S-6T C8300-2N2S-4T2X C8300-2N2S-6T C1101-4PLTEP(W)* C1109-4PLTE2P(W)* C1121-4PLTEP* C1121(X)-8PLTEP(W)* C1126(X)-8PLTEP C1127(X)-8P(M)LTEP C1128-8PLTEP C1131(X)-8PLTEPW* C1161(X)-8PLTEP* *Multiple variants available. Different variants have different characters behind nomenclature listed.	CAT7	300 Mbps/ 150Mbps	LTE bands 2, 4, 5, 7, 12-14, 25, 26, 41-43, 48, 66, 71 3G HSPA+ bands 2, 4, 5	Yes
P-LTEA7-EAL(=)	C8200-1N-4T C8200L-1N-4T C8300-1N1S-4T2X C8300-1N1S-6T \ C8300-2N2S-4T2X C8300-2N2S-6T C1101-4PLTEP(W)* C1109-4PLTE2P(W)* C1121-4PLTEP* C1121(X)-8PLTEP(W)* C1126(X)-8PLTEP C1127(X)-8P(M)LTEP C1128-8PLTEP C1131(X)-8PLTEPW* C1161(X)-8PLTEP* *Multiple variants available. Different variants have different characters behind nomenclature listed.	CAT7	300 Mbps/ 150Mbps	LTE bands 1, 3, 7, 8, 20, 28, 32, 38, 40-43 3G HSPA+ bands 1, 5, 8	Yes

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Product ID	Supported on	Cellular	Download/upload bandwidth	Bands supported	SD-WAN
P-LTEA7-JP(=)	C8200-1N-4T C8200L-1N-4T C8300-1N1S-4T2X C8300-1N1S-6T C8300-2N2S-4T2X C8300-2N2S-6T C1101-4PLTEP(W)* C1109-4PLTE2P(W)* C1121-4PLTEP* C1121(X)-8PLTEP(W)* C1126(X)-8PLTEP C1127(X)-8P(M)LTEP C1128-8PLTEP C1131(X)-8PLTEPW* C1161(X)-8PLTEP* *Multiple variants available. Different variants have different characters behind nomenclature listed.	CAT7	300 Mbps/ 150Mbps	LTE bands 1, 3, 5, 8, 18, 19, 39, 41-43 3G HSPA+ bands 1, 5, 6, 19	Yes
P-LTEA-EA(=)	C8200-1N-4T C8200L-1N-4T C8300-1N1S-4T2X C8300-1N1S-6T C8300-2N2S-4T2X C8300-2N2S-6T C1101-4PLTEP(W)* C1109-4PLTE2P(W)* C1121-4PLTEP* C1121(X)-8PLTEP(W)* C1126(X)-8PLTEP C1127(X)-8P(M)LTEP C1128-8PLTEP C1131(X)-8PLTEPW* C1161(X)-8PLTEP* *Multiple variants available. Different variants have different characters behind nomenclature listed.	CAT6	300 Mbps/ 50 Mbps	LTE bands 1-5, 7, 8, 12, 13, 20, 25, 26, 29, 30, 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

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Product ID	Supported on	Cellular	Download/upload bandwidth	Bands supported	SD-WAN
P-LTEA-LA(=)	C8200-1N-4T C8200L-1N-4T C8300-1N1S-4T2X C8300-1N1S-6T C8300-2N2S-4T2X C8300-2N2S-6T C1101-4PLTEP(W)* C1109-4PLTE2P(W)* C1121-4PLTEP* C1121(X)-8PLTEP(W)* C1126(X)-8PLTEP C1127(X)-8P(M)LTEP C1128-8PLTEP C1131(X)-8PLTEPW* C1161(X)-8PLTEP* *Multiple variants available. Different variants have different characters behind nomenclature listed.	CAT6	300 Mbps/ 50 Mbps	LTE bands 1, 3, 5, 7, 8, 18, 19, 21, 28, 38, 39, 40, 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, 41+41	Yes
P-LTE-GB(=)	C8200-1N-4T C8200L-1N-4T C8300-1N1S-4T2X C8300-1N1S-6T C8300-2N2S-4T2X C8300-2N2S-6T C1101-4PLTEP(W)* C1109-4PLTE2P(W)* C1121-4PLTEP* C1121(X)-8PLTEP(W)* C1126(X)-8PLTEP C1127(X)-8P(M)LTEP C1128-8PLTEP C1131(X)-8PLTEPW* C1161(X)-8PLTEP* *Multiple variants available. Different variants have different characters behind nomenclature listed.	CAT4	150 Mbps/ 50 Mbps	LTE bands 1, 3, 7, 8, 20, 28 FDD LTE 700 MHz (band 28), 800 MHz (band 20), 900 MHz (band 8), 1800 MHz (band 3), 2100 MHz (band 1), 2600 MHz (band 7)	No

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Product ID	Supported on	Cellular	Download/upload bandwidth	Bands supported	SD-WAN
P-LTE-US(=)	C8200-1N-4T C8200L-1N-4T C8300-1N1S-4T2X C8300-1N1S-6T C8300-2N2S-4T2X C8300-2N2S-6T C1101-4PLTEP(W)* C1109-4PLTE2P(W)* C1121-4PLTEP* C1121(X)-8PLTEP(W)* C1126(X)-8PLTEP C1127(X)-8P(M)LTEP C1128-8PLTEP C1131(X)-8PLTEPW* C1161(X)-8PLTEP* *Multiple variants available. Different variants have different characters behind nomenclature listed.	CAT4	150 Mbps/ 50 Mbps	LTE bands 2, 4, 5, 12 FDD LTE 700 MHz (band 17), 700 MHz (band 12), 850 MHz (band 5 CLR), 1700 and 2100 MHz (band 4 AWS)	No
P-LTE-VZ(=)	C8200-1N-4T C8200L-1N-4T C8300-1N1S-4T2X C8300-1N1S-6T C8300-2N2S-4T2X C8300-2N2S-6T C1101-4PLTEP(W)* C1109-4PLTE2P(W)* C1121-4PLTEP* C1121(X)-8PLTEP(W)* C1126(X)-8PLTEP C1127(X)-8P(M)LTEP C1128-8PLTEP C1131(X)-8PLTEPW* C1161(X)-8PLTEP* *Multiple variants available. Different variants have different characters behind nomenclature listed.	CAT4	150 Mbps/ 50 Mbps	LTE bands 4, 13 FDD LTE 700 MHz (band 13), 1700 and 2100 MHz (band 4 AWS)	No

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Product ID	Supported on	Cellular	Download/upload bandwidth	Bands supported	SD-WAN
P-LTE-IN(=)	C8200-1N-4T C8200L-1N-4T C8300-1N1S-4T2X C8300-1N1S-6T C8300-2N2S-4T2X C8300-2N2S-6T C1101-4PLTEP(W)* C1109-4PLTE2P(W)* C1121-4PLTEP* C1121(X)-8PLTEP(W)* C1126(X)-8PLTEP C1127(X)-8P(M)LTEP C1128-8PLTEP C1131(X)-8PLTEPW* C1161(X)-8PLTEP* *Multiple variants available. Different variants have different characters behind nomenclature listed.	CAT4	150 Mbps/ 50 Mbps	LTE bands 1, 3, 5, 8, 40, 41	No
P-LTE-JN	C8200-1N-4T C8200L-1N-4T C8300-1N1S-4T2X C8300-1N1S-6T C8300-2N2S-4T2X C8300-2N2S-6T C1101-4PLTEP(W)* C1109-4PLTE2P(W)* C1121-4PLTEP* C1121(X)-8PLTEP(W)* C1126(X)-8PLTEP C1127(X)-8P(M)LTEP C1128-8PLTEP C1131(X)-8PLTEPW* C1161(X)-8PLTEP* *Multiple variants available. Different variants have different characters behind nomenclature listed.	CAT4	150 Mbps/ 50 Mbps	LTE bands 1, 3, 8, 11, 18, 19, 21	No

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Product ID	Supported on	Cellular	Download/upload bandwidth	Bands supported	SD-WAN
NIM-LTEA-EA(=)	All Cisco 4200, 4300, and 4400 Series ISRs and ENCS 5400	CAT6	300 Mbps/ 50 Mbps	LTE bands 1–5, 7, 8, 12, 13, 20, 25, 26, 29, 30, 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, 41+41	Yes
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, 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, 41+41	Yes

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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, 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, 41+41	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, 20 (800 MHz [band 20], 900 MHz [band 8], 1800 MHz [band 3], 2100 MHz [band 1], and 2600 MHz [band 7])	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), 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), band 13 (700 MHz)	No

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Product ID	Supported on	Cellular	Download/upload bandwidth	Bands supported	SD-WAN
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), 41 (2500 MHz)	No
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), 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), 28 (700 MHz)	No

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Product ID	Supported on	Cellular	Download/upload bandwidth	Bands supported	SD-WAN
WIM-LTE-AS	C841M-4X C841M-8X	CAT4	150 Mbps/ 50 Mbps	• LTE Category 4: Bands 1, 3, 5, 8, 40, 41 • HSPA+, UMTS: Bands 1, 8 • EDGE, GSM, GPRS: 900/1800 • Frequency (MHz): 1920–1980, 2110–2170, 1710–1785, 1805–1880, 824–849, 869–894, 880–915, 925–960, 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, 12 • HSPA+: Bands 2, 4, 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, 28 • HSPA+, UMTS: Bands 1, 8 • EDGE, GSM, GPRS: 900/1800	No

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

Product ID	Cellular	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

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Product ID	Cellular	Download/upload Bandwidth	Bands supported	SD-WAN
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, 8, 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

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Product ID	Cellular	Download/upload Bandwidth	Bands supported	SD-WAN
C1111-8PLTEEA	CAT6	300 Mbps/ 50 Mbps	LTE bands 1-5, 7,8,12, 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
C1111-8PLTEEAWX* **(Wi-Fi domain WX; X = A, B, E, R)**	CAT6	300 Mbps/ 50 Mbps	LTE bands 1-5, 7, 8, 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

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Product ID	Cellular	Download/upload Bandwidth	Bands supported	SD-WAN
C1111-8PLTELAWY* **(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
C1112-8PLTEEA	CAT6	300 Mbps/ 50 Mbps	LTE bands 1-5, 7, 8, 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
C1112-8PLTEEAWE	CAT6	300 Mbps/ 50 Mbps	LTE bands 1-5, 7, 8, 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

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Product ID	Cellular	Download/upload Bandwidth	Bands supported	SD-WAN
C1113-8PLTEEA	CAT6	300 Mbps/ 50 Mbps	LTE bands 1-5, 7, 8, 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
C1113-8PLTEEAWX* **(Wi-Fi domain WX; X = B, E)**	CAT6	300 Mbps/ 50 Mbps	LTE bands 1-5, 7, 8, 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

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Product ID	Cellular	Download/upload Bandwidth	Bands supported	SD-WAN
C1113-8PLTELAWZ	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, 8, 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	CAT6	300 Mbps/ 50 Mbps	LTE bands 1-5, 7, 8, 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

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Product ID	Cellular	Download/upload Bandwidth	Bands supported	SD-WAN
C1116-4PLTEEAWE	CAT6	300 Mbps/ 50 Mbps	LTE bands 1-5, 7, 8, 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, 8, 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
C1117-4PLTEEAWX* **(Wi-Fi domain WX; X = A, E)**	CAT6	300 Mbps/ 50 Mbps	LTE bands 1-5, 7, 8, 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

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Product ID	Cellular	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
C1117-4PLTELAWZ	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, 8, 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

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Product ID	Cellular	Download/upload Bandwidth	Bands supported	SD-WAN
C1117-4PMLTEEAWE	CAT6	300 Mbps/ 50 Mbps	LTE bands 1–5, 7, 8, 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
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

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Product ID	Cellular	Download/upload Bandwidth	Bands supported	SD-WAN
C927-4P(M)LTEGB	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
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.

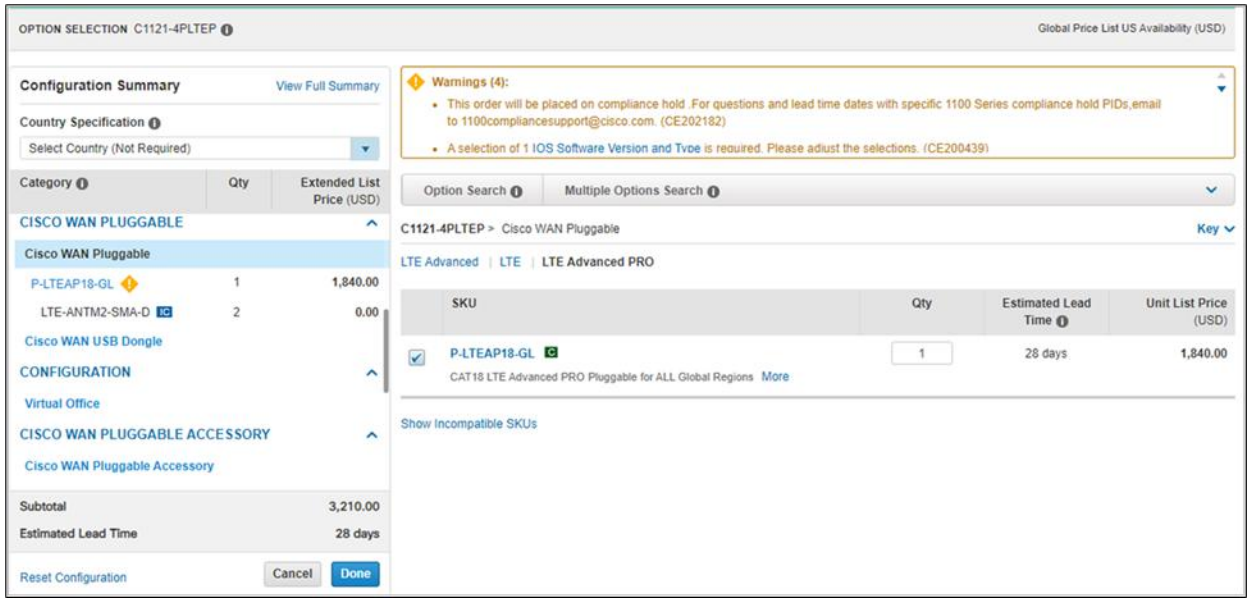


Figure 2.
CCW firmware ordering

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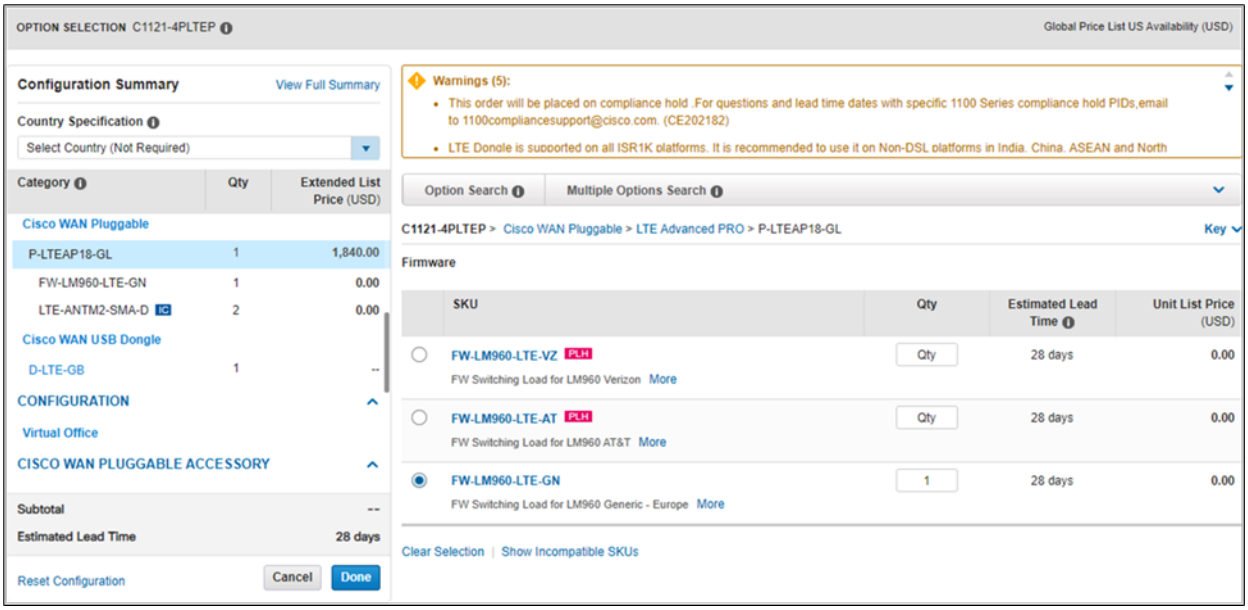
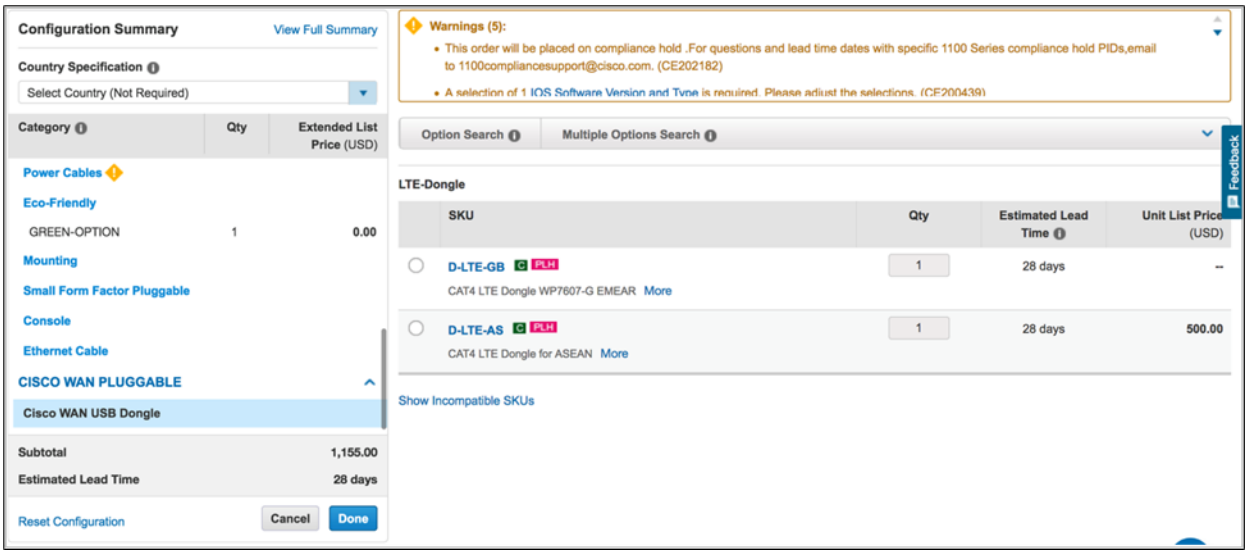


Figure 3.
CCW WAN pluggable firmware selection

Optional WAN USB LTE selection (CAT 4 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.



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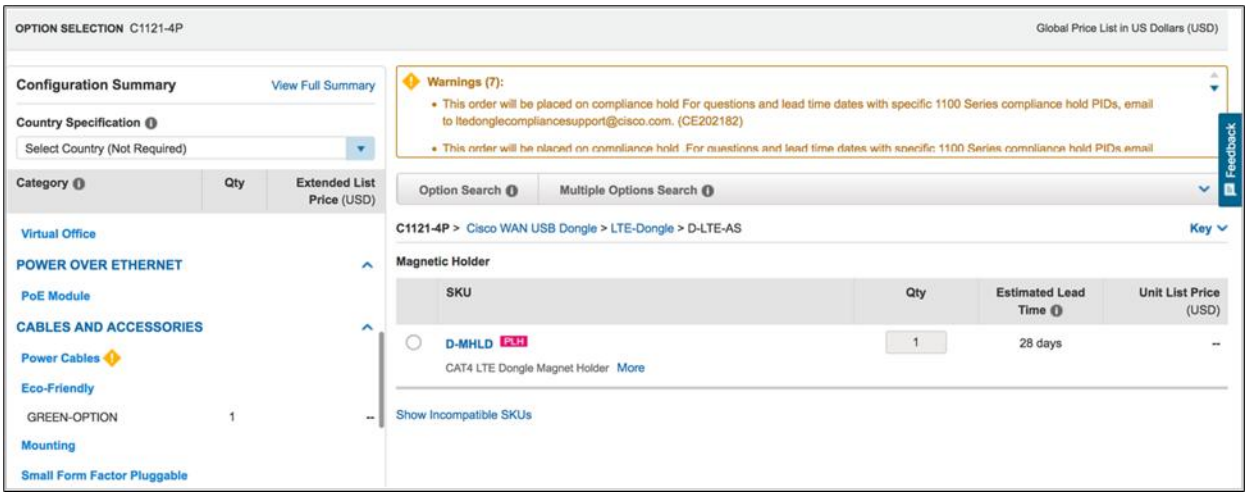


Figure 4.
CCW WAN USB dongle and WAN dongle accessory ordering for C1101-4PLTEP

Ordering information

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

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Printed in USA C78-743503-03 06/24

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