

Table 9. Technical Specification for C8130-G2, C8131-G2, C8140-G2, C8150-G2 and C8161-G2

	C8130-G2/ C8131-G2	C8140-G2	C8151-G2	C8161-G2
Interfaces and Slots				
WAN Ports	1x 1GE RJ-45, 1x 1GE RJ-45/SFP Combo	2x 1GE RJ-45/SFP combo	2x 1GE RJ-45/SFP combo	2x 1GE RJ-45/SFP combo
Flex Ports	2 x GE RJ-45	2 x GE RJ-45	2 x GE RJ-45	2 x GE RJ-45
LAN Ports	2x 1GE RJ-45	6x 1GE RJ-45	6x 1GE RJ-45	6 x GE RJ-45 (4PoE/2PoE+) PoE output max power 80W
Cellular	-	-	Optional Pluggable Module – LTE or 5G	
Management Port	1 x RJ-45 console			
Storage	1 x USB Type C 3.0 OOB Mgmt			
External Power Supply	30W/66W	66W	66W	150W
Typical Power	16W	20W	23W	25W
SD-WAN Capable	C8131-G2: Yes C8130-G2: No	No	Yes	Yes

Table 10. Technical Specification for C8130-VAI-G2, C8130-VAP-G2, C8151-CVAI-G2 and C8151-CVAP-G2

	C8130-VAI-G2/ C8130-VAP-G2	C8151-CVAI-G2/ C8151-CVAP-G2	C8130H-G2	C8151H-C-G2
WAN ports	1x 1GE RJ-45/ SFP combo, 1 x RJ-11 (DSL), 1 x XGSPON/10G BASE-T	1x 1GE RJ-45/ SFP combo, 1 x RJ-11 (DSL), 1 x XGSPON/10G BASE-T	1x 1GE RJ-45/SFP combo 1 x 10G BASE-T	1x 1GE RJ-45/SFP combo 1 x 10G BASE-T
Flex ports	2 x 1GE RJ-45	2 x 1GE RJ-45	2 x 1GE RJ-45	2 x 1GE RJ-45
LAN ports	2 x 1GE RJ-45	6 x 1GE RJ-45	2 x 1GE RJ-45	6 x 1GE RJ-45
Cellular	-	Embedded 5G 3GPP Release 17 module with dual nano SIM slots	-	Embedded 5G 3GPP Release 17 module with dual nano SIM slots
DSL	Embedded DSL VAI -> VDSL/ADSL over ISDN (Annex B/J) VAP -> VDSL/ASDL over POTS (Annex A)		-	-
Management port	1 x RJ-45 console		-	-
Storage	1 x USB Type C 3.0 OOB Mgmt		-	-
External Power Supply	66W	66W	66W	66W
Typical Power	23W	27W	22W	25W
SD-WAN Capable	No	Yes	No	Yes

Table 11. Mechanical specifications

	C8130-G2/ C8131-G2/ C8130-VAI-G2/ C8130-VAP-G2/ C8130H-G2	C8140-G2	C8151-G2/ C8161-G2	C8151-CVAI-G2/ C8151-CVAP-G2/ C8151H-C-G2
Dimensions (H x D x W)	1.09 in x 7.8 in x 10.8 in	1.09 in x 6.9 in x 12.7 in	1.57 in x 8.5 in x 12.7 in	1.57 in x 7.8 in x 10.8 in
MTBF	> 100,000 hours			
Mounting Options	Rackmount, Desktop, Under Desk, Din-Rail/Wall mount			
Chassis weight	3.5 lb	3.57 lb	5.1 lb	5.1 lb
Temperature	Operating Temperature: 0° to 40°C at sea level, 1°C/1000 ft derating from 40°C Non-Operating Temperature: -40° to +70°C (-40° to +158°F)			

	C8130-G2/ C8131-G2/ C8130-VAI-G2/ C8130-VAP-G2/ C8130H-G2	C8140-G2	C8151-G2/ C8161-G2	C8151-CVAI-G2/ C8151-CVAP-G2/ C8151H-C-G2
	Non-Operating Temperature: -40° to +70°C (-40° to +158°F)			
Humidity	Operating Conditions Humidity: 5% to 85% relative humidity (noncondensing) Non-Operating Conditions Humidity: -40° to +70°C (-40° to +158°F)			
Altitude	Operating Altitude:0 to 10,000 ft (0 to 3048 m) Non-Operating Altitude: 0 to 15,000 ft (0 to 4572 m)			

Performance

Table 12. Throughput

Throughput		
Scalability	C8130-G2/ C8130-VAI-G2/ C8130-VAP-G2/ C8140-G2/ C8130H-G2	C8131-G2/ C8151-G2/ C8151-CVAI-G2/ C8151-CVAP-G2/ C8151H-C-G2/ C8161-G2
Number of IPv4 Routes	280K	500K
Number of IPv4 ACLs	2K	4K

Throughput		
Number of IPv4 ACEs	5K	10K
Number of IPv6 Routes	260K	500K
Number of NAT Sessions	100K	100K
Number of VRFs	1K	4K
Number of IPsec Tunnels	250	250
Forwarding (512B)		
IPsec (512B)		
SD-WAN* (512B)		
Threat Protection** (EMIX)		

* SD-WAN feature combination: IPsec + QoS + Deep Packet Inspection + Flexible NetFlow

** Threat Protection feature combination: 100% DIA-NAT + ZBFW + IPS + URLF + AMP

Table 13. Scalability Modules

Table 14. Pluggable Interface Modules (PIM) supported

Product number	Description
P-5GS6-R16SA-GL*	5G Sub-6 GHz Pluggable – 5G SA Global
P-LTEA7-NA*	CAT7 LTE Advanced Pluggable - North America
P-LTEA7-EAL*	CAT7 LTE Advanced Pluggable - EMEA, APAC, and LATAM
P-LTEA7-JP*	CAT7 LTE Advanced Pluggable - Japan

* Supported only on C8151-G2 and C8161-G2

For more information on PIMs please refer to the datasheet [here](#).

Table 15. Embedded Modules supported

Product number	Description
C8130-VAI-G2 / C8151-CVAI-G2 / C8130-VAP-G2 / C8151-CVAP-G2	- ITU G.993.2 (VDSL 2) and supported profiles - 8a, 8b, 8c, 8d, 12a, 12b, 17a and 35b - ADSL Annex A and Annex B/J ITU G.992.1 (ADSL), G.992.3 (ADSL2) and G.992.5 (ADSL2+)
C8151-CVAI-G2/ C8151-CVAP-G2/ C8151H-C-G2	Embedded 5G 3GPP Release 17 module 5G FR1 bands n1, n2, n3, n5, n7, n8, n12, n13, n14, n18, n20, n25, n26, n28, n30, n38, n40, n41, n48, n66, n70, n71, n77, n78, n79 - LTE bands B1, B2, B3, B4, B5, B7, B8, B12, B13, B14, B17, B18, B19, B20, B25, B26, B28, B30, B34, B38, B39, B40, B41, B42, B43, B48, B66, B70, B71, B106