

## Overview

Cisco 5520 Series Wireless LAN Controller is a highly scalable, service-rich, resilient, and flexible platform that is ideal for medium-sized to large enterprise and campus deployments. AIR-CT5520-K9 can interoperate with other Cisco controllers and support up to 1500 access points and 20000 clients with licenses.



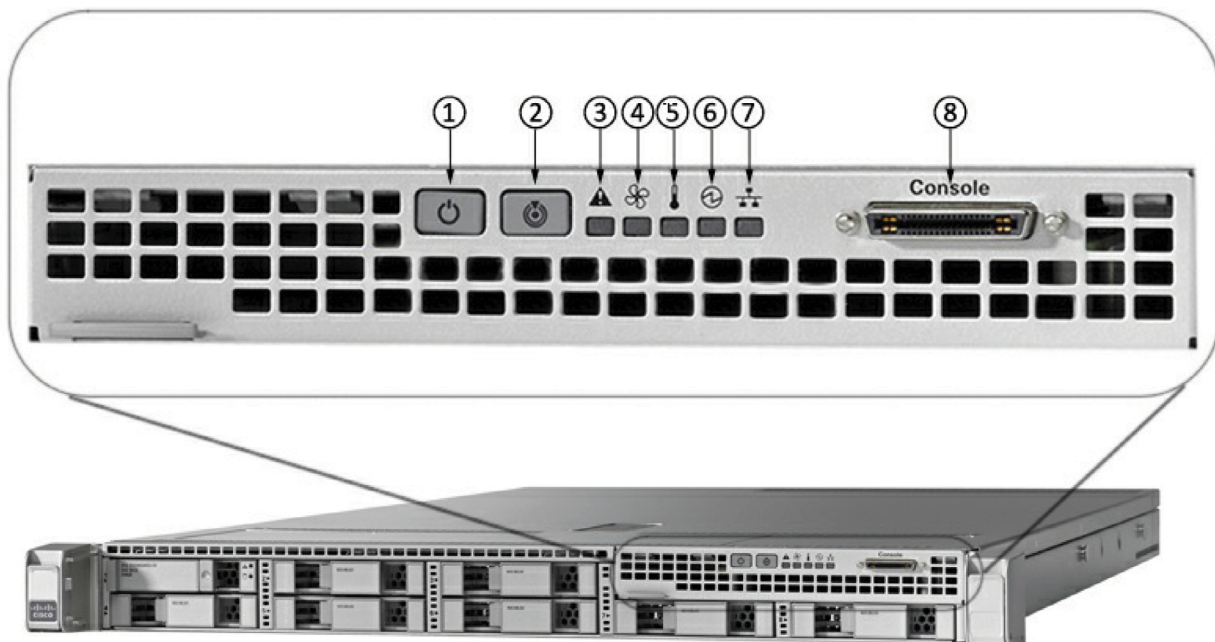
## Quick Spec

Table 1 shows the quick spec.

Product Code	AIR-CT5520-K9
Chassis Height	One rack-unit (1RU)
Throughput	20 Gbps
AP Support	1500 (with licenses)
Client Support	20000 (with licenses)
Data Ports	2 x SFP+
Wireless standards	802.11a/b/g/d/e/h/k/n/r/u/w/ac
Power Options	770W AC
Dimension (D x W x H)	75.8 cm x 42.9 cm x 4.3 cm

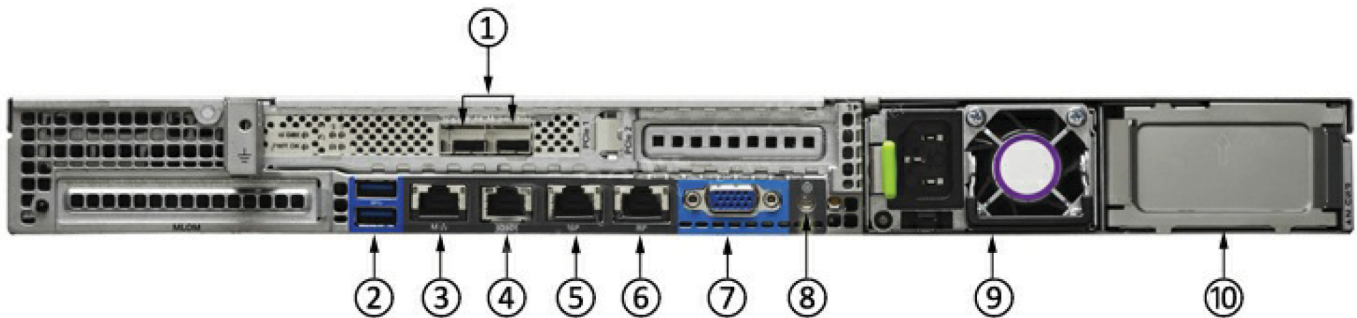
## Product Details

Figure 2 shows the front panel of AIR-CT5520-K9.



(1)	Power button/power status LED	(5)	Temperature status LED
(2)	Locator (Unit identification) button LED	(6)	Power supply status LED
(3)	System status LED	(7)	Network link activity LED
(4)	Fan status LED	(8)	KVM connector

- Network link activity LED indicates the network activity only on Service port, RP port, and CIMC port.
- KVM connector used with KVM cable that provides two USB 2.0, one VGA, and one serial connector.



(1)	Two 1/10 G SFP/SFP+ Ports	(6)	Redundancy Port (RP)
(2)	Two Type A 3.0 USB ports	(7)	VGA Connector
(3)	CIMC port 10/100/1000 Base-T	(8)	ID Switch and LED
(4)	SerialCOM Connector—Standard RS-232 Serial COM port using RJ-45 connector	(9)	Power Supply Slot
(5)	Ethernet Service Port (SP)—Management 10/100/1000 Base-T	(10)	Power Supply Slot

## The SFP Support

Table 2 shows some recommended SFP for this wireless controller.

SFP	Description
SFP-10G-SR	10GBASE-SR SFP Module
SFP-10G-LR	10GBASE-LR SFP+ Module for SMF 10 Gbps
GLC-T	1000BASE-T SFP
GLC-SX-MMD	Cisco GLC-SX-MMD 1000BASE-SX SFP transceiver module, MMF, 850nm, DOM
SFP-H10GB-CU1M	Cisco Direct-Attach Twinax Copper Cable Assembly with SFP+ Connectors, SFP-H10GB-CU1M
SFP-H10GB-CU3M	Cisco Direct-Attach Twinax Copper Cable Assembly with SFP+ Connectors, SFP-H10GB-CU3M
SFP-H10GB-CU5M	SFP-H10GB-CU5M,5M Passive Copper Twinax Cable F, Nexus,24AWG cable assembly



### Specification

AIR-CT5520-K9 Specifications	
Devide Tyde	Wireless controller
Ports	Dual 1-Gb or 10-Gb ports with Link Aggregation Group
Console ports	10/100/1000 RJ-45
Wireless standards	802.11a/b/g/d/e/h/k/n/r/u/w/ac
License	<ul style="list-style-type: none"> <li>● 5 AP licese: L-LIC-CT5520-5A</li> <li>● 25 AP licese: L-LIC-CT5520-25A</li> <li>● 50 AP licese: L-LIC-CT5520-50A</li> <li>● 100 AP licese: L-LIC-CT5520-100A</li> <li>● 250 AP licese: L-LIC-CT5520-250A</li> <li>● DTLS License: L-LIC-CT5520-DTLS-K9</li> </ul>
Security standards	<ul style="list-style-type: none"> <li>● Wi-Fi Protected Access (WPA)</li> <li>● IEEE 802.11i (WPA2, RSN)</li> <li>● RFC 1321 MD5 Message-Digest Algorithm</li> <li>● RFC 1851 The ESP Triple DES Transform</li> <li>● RFC 2104 HMAC: Keyed Hashing for Message Authentication</li> <li>● RFC 2246 TLS Protocol Version 1.0</li> <li>● RFC 2401 Security Architecture for the Internet Protocol</li> <li>● RFC 2403 HMAC-MD5-96 within ESP and AH</li> <li>● RFC 2404 HMAC-SHA-1-96 within ESP and AH</li> <li>● RFC 2405 ESP DES-CBC Cipher Algorithm with Explicit IV</li> <li>● RFC 2406 IP Encapsulating Security Payload (ESP)</li> <li>● RFC 2407 Interpretation for ISAKMP</li> <li>● RFC 2408 ISAKMP</li> <li>● RFC 2409 IKE</li> <li>● RFC 2451 ESP CBC-Mode Cipher Algorithms</li> <li>● RFC 3280 Internet X.509 PKI Certificate and CRL Profile</li> <li>● RFC 3602 The AES-CBC Cipher Algorithm and Its Use with IPsec</li> <li>● RFC 3686 Using AES Counter Mode with IPsec ESP</li> <li>● RFC 4347 Datagram Transport Layer Security</li> <li>● RFC 4346 TLS Protocol Version 1.1</li> </ul>
Encryption	<ul style="list-style-type: none"> <li>● WEP and Temporal Key Integrity Protocol-Message Integrity Check (TKIP-MIC): RC4 40, 104 and 128 bits (both static and shared keys)</li> <li>● Advanced Encryption Standard (AES): CBC, CCM, Counter Mode with Cipher Block Chaining Message Authentication Code Protocol (CCMP)</li> <li>● DES: DES-CBC, 3DES</li> <li>● Secure Sockets Layer (SSL) and Transport Layer Security (TLS): RC4 128-bit and RSA 1024- and 2048-bit</li> <li>● DTLS: AES-CBC</li> <li>● IPsec: DES-CBC, 3DES, AES-CBC</li> </ul>
Authentication, Authorization, and Accounting (AAA)	<ul style="list-style-type: none"> <li>● IEEE 802.1X</li> <li>● RFC 2548 Microsoft Vendor-Specific RADIUS Attributes</li> <li>● RFC 2716 PPP EAP-TLS</li> <li>● RFC 2865 RADIUS Authentication</li> <li>● RFC 2866 RADIUS Accounting</li> <li>● RFC 2867 RADIUS Tunnel Accounting</li> <li>● RFC 3576 Dynamic Authorization Extensions to RADIUS</li> <li>● RFC 3579 RADIUS Support for EAP</li> <li>● RFC 3580 IEEE 802.1X RADIUS Guidelines</li> <li>● RFC 3748 Extensible Authentication Protocol</li> <li>● Web-based authentication</li> <li>● TACACS support for management users</li> </ul>

### Contact Us

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