



## Контроллер точек доступа Cisco AIR-CT5760-1K-K9

AIR-CT5760-1K-K9

### Описание

В комплект входит:

- блок питания PWR-C1-350WAC - 1 шт
- вентилятор C3850-FAN-T1 - 4 шт

Крепление и резервный блок питания в комплект не входят (приобретаются дополнительно)

Контроллер беспроводных точек доступа Cisco® 5760

- это ведущая в отрасли платформа, разработанная специально для широкополосных сетей 802.11ac.

Обладает максимальной производительностью и масштабируемыми услугами в сочетании с высокой доступностью для критически важных беспроводных сетей.

Содержат усовершенствованные ASIC-процессоры, которые обеспечивают линейную скорость обработки трафика с учетом сервисов.

Иерархическая топология беспроводной сети реализуемая с помощью нового режима развертывания конвергентного доступа обеспечивает беспрецедентную масштабируемость и перспективность сетей Wi-Fi.

Ключевые особенности:

- Пропускная способность 60 Гбит/с full-duplex
- До 1000 точек доступа на контроллер
- До 12 000 клиентов на контроллер
- Поддержка NetFlow v9
- StackWise резервирование (AP SSO)
- Технология Cisco CleanAir®, ClientLink 3.0, VideoStream



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## Общие

SFP	Да
PoE	Нет
Стандарты Wi-Fi IEEE 802.11	WMM/802.11e, 802.11h, 802.11r, 802.11k, 802.11w 802.11b 802.11g 802.11a 802.11n (Wi-Fi 4) 802.11ac (Wi-Fi 5)
Роуминг	802.11k/v/r
Уличный корпус	Нет
Температура окружающей среды рабочая, °C	от 0 до 40

## Доп. описание

Cisco 5760 Wireless LAN Controller Features

### Scalability

- Supports up to 1000 access points and 12,000 wireless clients for business-critical wireless services.
- Unparalleled scalable wireless solution including multiple controllers can support up to 72,000 access points and 864,000 wireless clients.

### High performance

- Optimized for 802.11ac standard.
- 6 10G SFP+ uplinks.
- Hardware processing to provide up to 60 Gbps throughput with services such as downloadable ACL, granular QoS queues, fairness algorithm, NetFlow v9 processing, and so on.

### High resiliency

- Converged access deployment mode provides hierarchical network design that constraints outages to smaller failure domains, thereby providing higher resiliency. Wireless clients will recover quickly from switch failures within the Cisco 3850 or 3650 Series switch stack automatically through stateful failover (access point SSO).
- Cisco 5760 in centralized deployment mode (also known as local mode) supports 1+1 and N+1 resiliency.
- Multiple link aggregation (LAG) support to protect against link failures while maintaining the optimal network connectivity.
- 5760 also supports stateful switchover to the standby 5760 controller using the StackWise technology

### Service Discovery Gateway

- Enables Apple Bonjour® services to be advertised and utilized in a separate Layer 2 network. Supports mDNS and DNS-



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SD standards for full interoperability.

Application Visibility

- Supports Cisco Application Visibility and Control(AVC), the technology that includes the Network-Based Application Recognition 2 (NBAR-2) engine, Cisco's deep packet inspection (DPI) capability

Controller based on Cisco IOS Software

- Proven and security hardened Cisco IOS® Software operating system.
- Well known Cisco IOS Software CLI allows customers to use existing management tools for operations.
- Cisco's rich NetFlow ecosystem enables customers to use reporting, monitoring, traffic analysis, and troubleshooting tools for wireless network.

ClientLink 2.0

- Cisco ClientLink 2.0 technology to improve downlink performance to all mobile devices, including one-, two, and three-spatial-stream devices on 802.11n while improving battery life on mobile devices such as smartphones and tablets.

CleanAir

- Cisco CleanAir technology, which provides proactive, high-speed spectrum intelligence to combat performance problems due to wireless interference.

RF management

- Provides both real-time and historical information about RF interference affecting network performance across controllers using systemwide Cisco CleanAir technology integration.

Comprehensive end-to-end security

- Offers Control and Provisioning of Wireless Access Points (CAPWAP)-compliant DTLS encryption to make sure of encryption between access points and controllers or between controllers.

High-performance video

- Optimized video delivery using single stream for both wired and wireless clients.
- Supports Cisco VideoStream technology to optimize the delivery of business-critical multicast video applications across the WLAN.

End-to-end voice

- Supports unified communications for improved collaboration through messaging, presence, and conferencing.
- Supports all Cisco Unified Communications Wireless IP Phones for cost-effective, real-time voice services.

Advanced QoS

- Consistent configuration CLI for both wired and wireless QoS through modular QoS CLI (MQC).
- Granular QoS policies per access point, SSID, radio, and client.



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- Fair bandwidth allocation across wireless clients on an access point.
- Uses Cisco's proven Cisco IOS Software and ASIC technology to provide line-rate performance.

#### Advanced ACL

- Simplifies and centralizes security policies through downloadable ACLs.
- ACLs are processed in hardware to provide line-rate performance.

#### Flexible NetFlow v9

- Networkwide visibility with flexible NetFlow for wireless clients.

#### Environmentally responsible

- Organizations may choose to turn off access point radios to reduce power consumption during off-peak hours.
- Integrated wireless LAN controller avoids the deployment of additional device in the network.

#### Mobility and security

- Secure, reliable wireless connectivity and consistent end-user experience.
- Increased network availability through proactive blocking of known threats.

#### IPv6

- Supports IPv6 addressing on interfaces with appropriate show commands for monitoring and troubleshooting.
- IPv6 ACLs are processed in hardware to provide line-rate performance.