

Equipment rack	Placed inside or outside investigation room
System must be able to integrate video cameras for all investigation rooms later (PAN/Tilt and zoom)	Yes
System installation, cabling and setup	Yes
Warranty	3 years

2.2 تأهيل وتجهيز مركز التحقيقات: تجهيز مركز التحقيقات

تجهيز مركز التحقيقات وتجهيز مركز التحقيقات
مركز التحقيقات رقم 1 (مركز)

SPECS FOR CORE SWITCH	
Device Type	Switch - 48 ports - L3 - Managed - stackable
Enclosure Type	Rack-mountable 1U
Subtype	Gigabit Ethernet
Ports	48 x 10/100/1000 (PoE+)
Power Over Ethernet (PoE)	PoE+
PoE Budget	437 W
Performance	Switching capacity: 128 Gbps Stacking bandwidth: 480 Gbps Forwarding rate: 190.48 Mpps
Capacity	IPv4 routing table entries: 32000 IPv6 routing table entries: 16000 Flexible NetFlow entries: 64000 VLAN IDs: 4000 Switched virtual interfaces (SVIs): 2000
MAC Address Table Size	32000 entries
Jumbo Frame Support	9198 bytes
Routing Protocol	OSPF, IS-IS, RIP-1, RIP-2, BGP, EIGRP, HSRP, IGMP, VRRP, PIM-SM, OSPFv3, PIM-SSM, MSDP, policy-based routing (PBR), RIPng
Remote Management Protocol	SNMP 1, RMON 1, RMON 2, SNMP 3, SNMP 2c, CLI, NETCONF, RESTCONF
Encryption Algorithm	128-bit AES

Features	<p>DHCP support, trunking, Syslog support, full duplex mode, Stateful switchover (SSO), Class-Based Weighted Fair Queuing (CBWFQ), Weighted Random Early Detection (WRED), Spanning Tree Protocol (STP) support, Access Control List (ACL) support, Quality of Service (QoS), Non-Stop Routing (NSR), Remote Switch Port Analyzer (RSPAN), Management Information Base (MIB), Cisco StackWise-480 technology, Cisco StackPower technology, Flexible NetFlow (FNF), Multicast Source Discovery Protocol (MSDP), 802.1x authentication, 16MB packet buffer, FTP client, MACsec support, 3 fans, Control plane protection (CoPP), Virtual Extensible LAN (VXLAN), Application Visibility and Control (AVC), Source-Specific Multicast (SSM), integrated Wireshark, VLAN Double Tagging (Q-in-Q), Ethernet over MPLS (EoMPLS), Hierarchical Virtual Private LAN Service (H-VPLS), Private VLAN, Layer 3 VPN (L3VPN) support, Encapsulated Remote SPAN (ERSPAN), Security Group Tag (SGT) caching, Security Group Access Control List (SGACL), IT Service Management (ITSM) integration, third-party IP Address Management (IPAM) integration</p>
Compliant Standards	<p>IEEE 802.3, IEEE 802.3u, IEEE 802.1D, IEEE 802.1Q, IEEE 802.3ab, IEEE 802.1p, IEEE 802.3af, IEEE 802.3x, IEEE 802.3ad (LACP), IEEE 802.1w, IEEE 802.1x, IEEE 802.1s, IEEE 802.3at</p>
RAM	8 GB
Flash Memory	16 GB
Status Indicators	Status
Expansion / Connectivity	
Interfaces	48 x 1000Base-T RJ-45 PoE+ 1 x USB 2.0
Expansion Slots	1 (total) / 1 (free) x Expansion Slot
Power	
Power Device	Internal power supply - hot-plug
Installed Qty	2
Max Supported Qty	2
Power Redundancy	Yes
Power Provided	715 Watt

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16.2 ...

17. 17.1

17.1 ... 250,000 ...

17.2 ...

17.3 ...

18. 18.1

18.1 ... 500,000 ...

18.2 ...

18.3 ...

