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STRUCTURED CABLING MATERIALS CATALOGUE	Column1	Column2
ITEM	NAME	FEATURES
	TP-Link Deco X50 AX3000 Whole Home Mesh WiFi 6 System (3 Pack) - TL-DECO X50-3	AX3000 Dual Band WiFi – Super-fast WiFi 6 with speeds up to 3.0 Gbps 4 Streams, Less Lag – 2×2/HE160 2402 Mbps + 2×2 574 Mbps Gigabit Wired Speed – 3× Gigabit ports provide sufficient connectivity Boosted Seamless Coverage – Seamless mesh WiFi coverage up to 6,500 ft2 (3-pack) AI-Driven Mesh – Intelligently learns the network environment to provide ideal WiFi unique to your home
	TP-Link AC1350 Wireless MU-MIMO Gigabit Ceiling Mount Access Point – TL-EAP225	Dual-Band Wi-Fi: Supports 450 Mbps on 2.4 GHz and 867 Mbps on 5 GHz, providing a total Wi-Fi speed of up to 1317 Mbps. MU-MIMO Technology: Allows the access point to simultaneously communicate with multiple devices, improving overall network efficiency and reducing lag. Omada Cloud and App Management: Easily manage and monitor your network from anywhere using the Omada app or through the Omada Cloud, ensuring convenience and control over your network's operations. Seamless Roaming: Users can move between locations without any interruption in their video streams or voice calls, as the AP maintains a stable connection. Gigabit Ethernet Ports: Equipped with gigabit Ethernet ports to ensure high-speed wired connectivity.
	TP-Link 5-Port 10/100/1000Mbps Gigabit Desktop Switch – TL-LS1005G	5 Auto-Negotiation Gigabit Ports: Achieve high-speed wired connections up to 1000Mbps Plug and Play: No configuration required—just connect and go Fanless Design: Ensures quiet operation, ideal for noise-sensitive environments Green Technology: Reduces power consumption automatically based on link status and cable length Durable Housing: Compact, sturdy plastic case designed for long-term use Auto MDI/MDIX: Eliminates the need for crossover cables IEEE 802.3x Flow Control: Ensures reliable data transmission
	TP-Link 9-Port 10 100Mbps Desktop Switch with 8-Port PoE+ – TL-SF1009P	9 x 10/100Mbps RJ45 Ports: 8 PoE+ ports and 1 uplink port PoE+ Support: Up to 30W per PoE port (total PoE budget: 65W) Plug and Play: No configuration required Extended Mode: Up to 250m PoE transmission for surveillance Priority Function: Ensures stable power supply for critical devices Intelligent Power Management: Automatically protects the switch from overload Durable Metal Housing: For desktop and wall-mount installation
	TP-Link AC1200 Wireless Dual Band 4G LTE Router – TL-ARCHER MR400	Cutting-edge 4G Network: Share internet access with up to 64 Wi-Fi devices with download speeds of up to 150 Mbps. AC1200 Dual Band Wi-Fi: Simultaneous dual-band Wi-Fi networks, offering speeds up to 300 Mbps on 2.4 GHz and 867 Mbps on 5 GHz. Plug-and-Play: Universally unlocked and compatible with SIM cards from over 100 countries, verified by extensive field tests. Detachable LTE Antennas: Two advanced external antennas ensure stable and efficient connections for all devices. Wi-Fi Router Mode: Can function as a traditional Wi-Fi router by plugging an Ethernet cable into the LAN/WAN port.
	TP-Link 48-Port 10/100/1000Mbps JetStream Gigabit L2+ Managed Switch with 48-Port PoE+ and 4-Port 10GE SFP+ Slots – TL-SG3452XP	10G Lightning-Fast Uplink: Enjoy high-bandwidth connectivity and non-blocking switching capacity with four 10 Gbps SFP+ slots. PoE+ Output with 500 W Power Budget: Design your optimal network layout with forty-eight 802.3af/at PoE+ gigabit ports.* Centralized Cloud Management: Integrates into Omada SDN for cloud access and remote management. Abundant L2 and L2+ Features: It supports a complete lineup of L2 and L2+ features, including Static Routing, enterprise-level QoS, and IGMP Snooping. Robust Security Strategies: Helps protect LAN area investment with integrated IP-MAC-Port Binding, ACL, Port Security, and 802.1X Authentication. Standalone Management: Web, CLI (Console Port, Telnet, SSH), SNMP, RMON, and Dual Image bring powerful management capabilities.

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	TP-Link JetStream 10-Port Gigabit Smart Switch with 8 PoE+ Ports & 2 Gigabit SFP Slots TL-SG2210MP	8 PoE+ Ports: Supports 802.3at/af-compliant PoE+ with a total power budget of 150 W, allowing flexible deployment of PoE-supported devices. Full Gigabit Ports: Includes 8 gigabit PoE+ ports and 2 gigabit SFP slots for high-speed network connections and fiber connectivity. Omada SDN Integration: Seamlessly integrates into the Omada Software Defined Networking (SDN) platform with Zero-Touch Provisioning (ZTP), centralized cloud management, and intelligent monitoring. Centralized Management: Provides cloud access and management via the Omada app, ensuring ultra convenience and easy network administration. Robust Security Strategies: Implements comprehensive security features including IP-MAC-Port Binding, Access Control Lists (ACL), Port Security, DoS Defend, Storm Control, DHCP Snooping, 802.1X authentication, and Radius Authentication to protect the network. Quality of Service (QoS): Supports L2/L3/L4 QoS and IGMP snooping to optimize voice and video applications, ensuring smooth and reliable performance.
	TP-Link 28-Port 10/100/1000Mbps JetStream Gigabit Smart Switch – TL-SG2428P	High PoE Power Budget: The switch provides 24× 802.3at/af-compliant PoE+ ports with a total power supply of 250W, supporting a wide range of power-demanding devices like IP cameras, Access Points, and IP phones. Full Gigabit Connectivity: Equipped with 24× gigabit PoE+ ports and 4× gigabit SFP slots, ensuring high-speed connections for all connected devices. Omada SDN Integration: Offers Zero-Touch Provisioning (ZTP), centralized cloud management, and intelligent monitoring, making network management easy and efficient. Centralized Management: Can be managed via cloud access or the Omada app, providing ultra convenience in network management. Robust Security: Implements comprehensive security strategies including IP-MAC-Port Binding, ACL, Port Security, and more, to protect the network from various threats. Optimized Voice and Video: Features advanced L2/L3/L4 QoS and IGMP snooping to enhance the performance of voice and video applications. IPv6 Support: Comes with full IPv6 support, ensuring your network is future-proof.
	TP-Link 48 Port 10/100/1000Mbps Gigabit L2+ Managed Switch with 48-Port PoE+ – TL-SG3452P	384 W PoE Budget: 48× 802.3at/af-compliant PoE+ ports with a total power supply of 384 W Full Gigabit Ports: 48× gigabit RJ45 ports and 4× gigabit SFP Slots provide high-speed connections Integrated into Omada SDN: Zero-Touch Provisioning (ZTP), Centralized Cloud Management, and Intelligent Monitoring Centralized Management: Cloud access and Omada app for ultra convenience and easy management Static Routing: Helps route internal traffic for more efficient use of network resources
	TP-Link 300Mbps Wireless N Wall-Plate Access Point – EAP115-WALL	Integrated into Omada SDN: Centralized Cloud Management, and Intelligent Monitoring. Centralized Management: Cloud access and Omada app for ultra convenience and easy management. Elegant Appearance: Unprecedented thin design with just 11 mm, the same size and shape as a light switch or power outlet faceplate to fit perfectly in any room. Easy Installation and PoE Support: Easy-mount construction, compatible with 86 mm & EU standard junction box, and 802.3af PoE support. Secure Guest Network: Along with multiple authentication options (SMS/Facebook Wi-Fi/ Voucher, etc.) and abundant wireless security technologies.
	TP-Link AX1500 Wi-Fi Range Extender – TL-RE505X	Extend WiFi Coverage —— RE505X comes equipped with the latest wireless technology, Wi-Fi 6, for faster speeds, greater capacity, and reduced network congestion. WiFi 6 Speeds —— Enjoy smoother and more reliable streaming, gaming, downloading, and more with dual-band WiFi speeds up to 1.5 Gbps (1200 Mbps on 5 GHz and 300 Mbps on 2.4 GHz) OneMesh Compatible —— Creates a Mesh network by connecting to a OneMesh router for seamless whole-home coverage. Gigabit Ethernet Port —— Provide faster-wired connections to smart TVs, computers and gaming consoles Intelligent Signal Light —— Helps to determine the best location for optimal Wi-Fi coverage by indicating the signal strength in the current placement AP Mode —— create a new Wi-Fi access point to enhance your wired network with Wi-Fi capability TP-LINK Tether App —— Easily access and manage your network using any iOS or Android mobile device

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	TP-Link 5-Port 10/100/1000Mbps Gigabit Desktop Switch – TL-SG105	5× 10/100/1000 Mbps Auto-Negotiation RJ45 Ports: Supports Auto-MDI/MDIX, eliminating the need for crossover cables. Plug and Play: No configuration required, simplifying installation. Supports 802.1p/DSCP QoS and IGMP Snooping: Enhances traffic management and ensures optimal data transfer for video, voice, and other latency-sensitive applications. Durable Metal Casing: Robust construction for long-term reliability. Desktop/Wall-Mounting Options: Flexible installation to fit various environments. Fanless Design: Ensures silent operation, making it suitable for quiet work environments. IEEE 802.3x Flow Control: Provides reliable data transfer to ensure stable communication. Green Ethernet Technology: Reduces power consumption, making it an energy-efficient choice.
	TP-Link 28-Port 10/100/1000Mbps JetStream Gigabit Smart Switch – TL-SG2428P	High PoE Power Budget: The switch provides 24× 802.3at/af-compliant PoE+ ports with a total power supply of 250W, supporting a wide range of power-demanding devices like IP cameras, Access Points, and IP phones. Full Gigabit Connectivity: Equipped with 24× gigabit PoE+ ports and 4× gigabit SFP slots, ensuring high-speed connections for all connected devices. Omada SDN Integration: Offers Zero-Touch Provisioning (ZTP), centralized cloud management, and intelligent monitoring, making network management easy and efficient. Centralized Management: Can be managed via cloud access or the Omada app, providing ultra convenience in network management. Robust Security: Implements comprehensive security strategies including IP-MAC-Port Binding, ACL, Port Security, and more, to protect the network from various threats. Optimized Voice and Video: Features advanced L2/L3/L4 QoS and IGMP snooping to enhance the performance of voice and video applications. IPv6 Support: Comes with full IPv6 support, ensuring your network is future-proof.
	TP-Link 18-Port 10/100/1000Mbps Gigabit Easy Smart Switch with 16-Port PoE+ – TL-SG1218MPE	【Flexible Full Gigabit 18-Port PoE Configuration】16x PoE+ (802.3at/af) 10/100/1000 Mbps RJ45 ports providing up to 30W per port and total PoE power budget of 250W, together w/ 2x Gigabit Non-PoE Ports and 2 Combo SFP Slots for high-speed connections. 【Easy Smart Management】Simple setup and monitor your network with easy-to-use web-based management interface and smart configuration utility. 【Network Segmentation】Abundant VLAN features improve network security via traffic segmentation. 【PoE Auto Recovery】The switch automatically detects and reboots the dropped or unresponsive PoE-powered devices without the need for manual monitoring or resetting. 【Overload Protection with Port Priority】When connected devices' total power consumption is greater than or equal to 250W, lower priority ports are disabled to prevent overloading. 【Plug and Play】Easy setup with no software installation or configuration needed. 【Advanced Software Features】Prioritize your traffic and guarantee high quality of video or voice data transmission with Port-based 802.1p/DSCP QoS and IGMP Snooping. 【Limited Lifetime Warranty】Backed by our industry-leading limited lifetime warranty and free 24/7 technical support, you can work with confidence.
	Tplink JetStream 24-Port Gigabit Smart PoE+ Switch with 4 SFP Slots T1600G-28PS	Supports 24 802.3at/af-compliant PoE+ ports with a total power supply of 192W L2+ Feature--Static Routing, helps route internal traffic for more efficient use of network resources IP-MAC-Port Binding, ACL, Port Security, Do's Defend, Storm control, DHCP Snooping, 802.1X and Radius Authentication provide you robust security strategies L2/L3/L4 QoS and IGMP snooping optimize voice and video applications IPv6 support with dual IPv4/IPv6 stack, MLD snooping, IPv6 neighbor discovery WEB/CLI managed modes, SNMP, RMON and Dual Image bring abundant management features

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	Tplink 8-Port Gigabit Smart PoE Switch with 2 SFP Slots TL-SG2210P	Features 8 PoE ports, with total PoE power budget of 53W and useful PoE power management features Gigabit Ethernet connections on all ports provide full speed of data transferring ntegrated security strategy including 802.1Q VLAN, ACL, Port Security and Storm control help protect LAN area investment L2/L3/L4 QoS and IGMP snooping optimize voice and video applications WEB/CLI managed modes, SNMP, RMON bring abundant management features Innovative energy-efficient technology saves up to 50% of power consumption
	Tplink 24-Port 10/100Mbps Desktop Switch TL-SF1024M	24 10/100Mbps Ports: Provides ample connectivity for small to medium-sized networks. Auto-Negotiation: Automatically adjusts to the speed and duplex mode of connected devices. Auto MDI/MDIX: Eliminates the need for crossover cables or uplink ports, simplifying network setup. Green Ethernet Technology: Reduces power consumption to conserve energy. IEEE 802.3x Flow Control: Ensures reliable data transfer by preventing traffic congestion in Full Duplex mode. Non-Blocking Switching Architecture: Forwards and filters packets at full wire speed for maximum throughput. Store and Forward Transfer Method: Stores data packets before forwarding them. Plug and Play: Easy to set up with no configuration required
	Tplink 5-Port Gigabit Desktop Switch TL-SG1005D	5 Gigabit Auto-Negotiation RJ45 Ports: Supports Auto MDI/MDIX, ensuring easy and flexible connectivity without the need for crossover cables. Green Ethernet Technology: Reduces power consumption, adjusting power based on link status and cable length for eco-friendly operation. IEEE 802.3x Flow Control: Provides reliable data transfer to prevent data loss during peak performance. Plug and Play: Simple setup with no configuration required, making it easy to expand your network instantly. Fanless Design: Ensures quiet operation, ideal for noise-sensitive environments. Flexible Mounting Options: Designed for desktop or wall mounting with a durable plastic case for versatile placement.
	TP-Link Ethernet Switch TL-SF1048 48-Port 10/100Mbps	48 Ports: Provides ample connectivity for expanding your network. 10/100Mbps: Offers standard Fast Ethernet speeds for most network applications. Rackmount Design: Designed for standard 19-inch racks, making it suitable for various network environments. Green Technology: Features energy-efficient technologies that reduce power consumption. Plug-and-Play: Auto-negotiation and auto MDI/MDIX allow for easy installation without configuration. Reliable Performance: Supports IEEE 802.3x flow control for full-duplex mode and backpressure for half-duplex mode, ensuring reliable data transmission. MAC Address Learning: Provides MAC address self-learning for efficient network management. Non-Blocking Architecture: The non-blocking switching architecture ensures maximum throughput with no data loss.
	TP-LINK N600 Wireless Gigabit Ceiling Mount Access Point EAP220	Dual-band concurrent: Supports both 2.4GHz and 5GHz frequencies simultaneously, offering flexibility and higher speeds. 802.11n Wi-Fi: Uses the 802.11n standard for wireless transmission. 2x2 MIMO technology: Employs 2x2 Multi-Input Multi-Output technology for improved data throughput. 600Mbps wireless speeds: Supports a combined wireless speed of up to 600 Mbps. High-power amplifier and 3dBi dual-polarization antenna: Enhance coverage and signal strength.
	TPLINK 300Mbps Wireless N Ceiling Mount Access Point EAP115	300Mbps Wireless N: Provides a stable and reliable Wi-Fi connection. Wall-Plate Design: Allows for easy installation in standard electrical boxes, replacing existing Ethernet wall jacks. PoE Support: Supports Power over Ethernet (802.3af) for convenient and affordable installation. Centralized Management: Can be managed through the Omada app or Omada software, allowing for easy configuration and monitoring of the network. Guest Network: Provides a separate network for guests with options for authentication, such as captive portal. Multi-SSID: Allows for multiple wireless networks for different user types. QoS (WMM): Prioritizes network traffic for improved performance. Enhanced Security: Offers enterprise-class Wi-Fi security features

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	Tplink AC1900 Wireless Gigabit Access Point AP500	Dual-Band Wireless: 2.4 GHz (600 Mbps) and 5 GHz (1300 Mbps) bands for simultaneous use. Superior Coverage: 3 dual-band detachable antennas and beamforming technology for extended range and stable connections. Gigabit Ethernet Port: Provides fast wired connectivity for devices that prefer it. Dual-Core Processor: Ensures smooth performance even with multiple connected devices. Beamforming Technology: Focuses Wi-Fi signal strength toward connected devices for stronger, more reliable connections. Easy Setup and Management: TP-Link Tether app for convenient setup and management.
	TP-Link AC1750 Wireless MU-MIMO Gigabit Ceiling Mount Access Point	Fast Dual-Band Wi-Fi: Simultaneous 450 Mbps on 2.4 GHz and 1300 Mbps on 5 GHz, totaling 1750 Mbps Wi-Fi speeds. MU-MIMO Technology: Allows multiple devices to connect simultaneously without sacrificing performance. Omada SDN Integration: Seamless integration with TP-Link's Omada SDN for centralized management, including Zero-Touch Provisioning, cloud access, and the Omada app. Ceiling Mount Design: Designed for easy installation in ceilings, ideal for areas where space is limited. Gigabit Ethernet Ports: Multiple Gigabit Ethernet ports for connecting other devices to the network. PoE Support: Supports both standard 802.3af/at and Passive PoE for flexible installation. Security Features: WPA3 encryption and secure guest network options with captive portal, SMS/Voucher authentication. Seamless Roaming: 802.11k/v roaming for seamless switching between access points. Advanced Wireless Features: MU-MIMO, Band Steering, Airtime Fairness, and Beamforming for optimized network performance.
	TP-Link N300Mbps Wireless N Ceiling Mount Access Point – TL-EAP110	Wireless speed up to 300 Mbps Wi-Fi with 2×2 MIMO technology Built for outdoor Wi-Fi applications, ideal for garden Wi-Fi Secure access points to walls or poles with the mounting kits provided Durable, weatherproof enclosure to withstand fair and foul weather Free Auranet Controller software allows users to manage one single EAP to hundreds of EAPs Wireless Standards: IEEE 802.11ac/n/g/b/a Frequency Band: 2.4 GHz (450 Mbps), 5 GHz (867 Mbps)
	TP-Link AC1350 Wireless MU-MIMO Gigabit Ceiling Mount Access Point – TL-EAP225	Wi-Fi Speed: Up to 450 Mbps at 2.4 GHz, up to 867 Mbps at 5 GHz, total up to 1317 Mbps Transmit Power: CE: <20 dBm (2.4 GHz), <23 dBm (5 GHz); FCC: <21 dBm (2.4 GHz), <26 dBm (5 GHz) Antennas: Internal omnidirectional antennas, 2.4 GHz: 3x 4 dBi, 5 GHz: 3x 5 dBi Ethernet Ports: 1 x Gigabit Ethernet (RJ-45) port supporting IEEE802.3af/at PoE and Passive PoE Power Supply: 802.3af/at PoE or 24V Passive PoE Power Consumption: 12.3W
	TP-Link 300Mbps Wireless N Wall-Plate Access Point – EAP115-WALL	Integrated into Omada SDN: Centralized Cloud Management, and Intelligent Monitoring. Centralized Management: Cloud access and Omada app for ultra convenience and easy management. Elegant Appearance: Unprecedented thin design with just 11 mm, the same size and shape as a light switch or power outlet faceplate to fit perfectly in any room. Easy Installation and PoE Support: Easy-mount construction, compatible with 86 mm & EU standard junction box, and 802.3af PoE support. Secure Guest Network: Along with multiple authentication options (SMS/Facebook Wi-Fi/ Voucher, etc.) and abundant wireless security technologies.

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	TP-Link AX1800 Wall Plate WiFi 6 Access Point – EAP615-WALL	Superior WiFi 6 Speeds: It utilizes the WiFi 6 (802.11ax) standard, offering a combined speed of up to 1800Mbps, with 574Mbps on the 2.4GHz band and 1201Mbps on the 5GHz band. High-Performance Connectivity: OFDMA and MU-MIMO technologies enhance network efficiency, reduce latency, and optimize overall network throughput. Easy Installation: Power over Ethernet (PoE) Support: The EAP615-WALL supports 802.3af/at PoE, allowing it to be powered via Ethernet, simplifying installation and reducing the need for additional power outlets. Omada App: Configurable and manageable through the free Omada app, allowing users to configure settings, monitor network status, and manage clients from a smartphone or tablet. 2.4GHz Frequency:
	Tplink 2.4GHz 300Mbps 12dBi Outdoor CPE CPE220	Operates at the standard 2.4GHz frequency band, suitable for various applications. 300 Mbps Maximum Data Rate: Provides a maximum data transfer rate of 300 Mbps, enabling efficient wireless communication. 12dBi Antenna: Features a built-in 12dBi 2x2 dual-polarized directional MIMO antenna for long-distance wireless transmission. Outdoor-Ready Design: Designed for outdoor use with a weatherproof enclosure,
	Tplink 2.4GHz 150Mbps Outdoor Wireless Access Point TL-WA7210N	High Gain Antenna: 12dBi dual-polarized directional antenna for extended range and focused signal. Long-Range Coverage: Designed to provide wireless connectivity over longer distances, up to 200 meters in some cases. Power Amplifier and Low Noise Amplifier: Improves signal strength and reduces interference. Antenna Alignment Tool: Helps users optimize antenna direction for the best signal strength.
	Hikvision DS-XS6412-S/B 12U 600*450mm Rack Cabinet	Model: DS-XS6412-S/B Rack Units: 12U Dimensions: 600mm (W) x 450mm (D) Material: High-quality steel construction Weight Capacity: Typically around 60-80kg (varies by specific model) Doors: Front glass door with lock, rear perforated steel door Side Panels: Removable side panels for easy access Ventilation: Top and bottom ventilation slots Cable Management: Integrated cable management features
	Hikvision DS-XS6409-S/B 9U Rack CabinetHikvision DS-XS6409-S/B 9U Rack Cabinet	Rack Unit Size: 9U Material: Steel Dimensions: 600*450*501mm Ventilation Type: Passive or active (e.g., fans, vents) Doors: Lockable front and rear doors Cable Management: Included Mounting Rails: Adjustable Color: Typically black or specified color Compliance: Meets industry standards for rack enclosures
	Easenet 6U Wall Mounted Rackmount Cabinet 600X450	6U Patch/Data rack/cabinet. Lockable Transparent Glass door. Cable access top and bottom. Welded construction. Standing or wall mounting installation Removable side panels Holes for entering cable on both of top cover and bottom panel Toughened glass front door, turning angle is over 180 degrees
	Hikvision DS-XS6404-S/B 4U Rack Cabinet	Rack Units: 4U Dimensions: [Exact dimensions need to be provided by the manufacturer or checked in the product manual] Material: Steel (or other specified durable material) Weight Capacity: [Specify the maximum load capacity] Color: Typically black or as specified by the manufacturer Ventilation: Perforated doors or additional ventilation fans Mounting Depth: [Specify the mounting depth] Compatibility: Suitable for various rack-mounted equipment such as servers, networking devices, and security systems.

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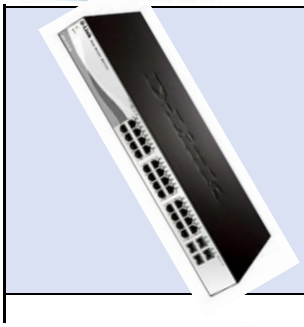
		18U 600mm by 450mm Network cabinet/server rack/data enclosure	Zinc Plated mounting profile Secure,firm and reliable Easy to maintain equipment Two Packing Ways: Assembly packing to save labour cost, ready to resell oruse Disassembly packing to save space and transport cost, easy to assemble Various optional accessories: PDU, fan, shelf, bracket, cable tray, etc.. Certification: ISO 9001:2000
		600mm x 1000mm 42U Network Cabinet With Mesh	U Spaces: 42U External Dimensions: H 2115 mm x W 600 mm x D 1000 mm Profile Width: 19 inches Locks & Hinges: Slam latch on the front door, cam lock on side/rear doors Cable Entry: Options for floor entry and top cable brush entry Ventilation: Ventilated top cover and optional fan tray Base Fittings: Standard castors with optional heavy-duty castors available
		42 U Networking | Server Cabinet (600mm x 600mm)	42 U Patching/Networking/Server/Data rack/cabinet. Lockable Transparent Glass door. Cable access top and bottom. Welded construction. Moving and Standing Rails
		D-Link Cat6 UTP Indoor Cable Copper (NCB-C6UGRYR-305)	The D-Link Cat6 UTP Indoor Cable (NCB-C6UGRYR-305) is a high-performance networking cable engineered for modern data transmission needs. Designed with 23 AWG solid bare copper conductors, it guarantees superior conductivity, low signal loss, and long-lasting performance. This cable fully complies with ANSI/TIA-568-C.2 and ISO/IEC 11801 Class E standards, making it an excellent choice for structured cabling, data centers, offices, and smart homes
		D-Link DGS-1210-28 28-Port Smart Managed Gigabit Ethernet Switch – Layer 2+ with SFP Combo	The D-Link DGS-1210-28 28-Port Smart Managed Gigabit Ethernet Switch – Layer 2+ with SFP Combo is a high-performance 28-port Smart Managed Gigabit Switch, purpose-built for SMEs, government offices, schools, and surveillance environments in Kenya. Combining advanced Layer 2+ functionality with flexible management and energy efficiency, it's the ideal choice for future-proof networks. This Layer 2+ switch provides 24 Gigabit Ethernet ports and 4 Gigabit RJ45/SFP Combo ports, enabling seamless integration with both copper and fiber infrastructures. With static routing, Auto Voice VLAN, and Surveillance Mode, it offers the performance and security required for converged data, voice, and video traffic.
		D-Link NPP-C61BLK241 Cat6 24-Port Patch Panel – Fully Loaded, 1U Rackmount	24 RJ45 Ports: Accommodates up to 24 network connections. T568A & T568B Wiring Schemes: Offers flexibility in wiring configurations. Compatibility: Suitable for 22-26 AWG stranded and solid wire; compatible with both 110 and Krone punch-down tools. Durable Construction: Features a SPCC 1.6 mm thick panel with black (RAL 9005) color painting. Enhanced Cable Management: Optional cable management bar available for improved organization.
		Dlink Cat 6 Cable Copper outdoor	Cat 6: This cable is designed to meet or exceed the Cat 6 (Category6) standards. Cat 6 cables are known for their high bandwidth and performance capabilities, making them suitable for high-speed data transmission and Gigabit Ethernet networks. Copper Conductor: The cable is constructed with copper conductors. Copper is a common choice for Ethernet cables because it provides excellent conductivity and signal quality.
		D-Link DGS-1210-28MP28-Port Gigabit Smart Managed PoE Switch	24 x 10/100/1000BASE-T PoE ports 4 x Gigabit GbE/SFP combo ports Advanced L2 switching and security features L2+ Static Routing Optional "standard mode" or "surveillance mode" management user interface 370W PoE budget

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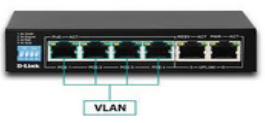
	D-Link DGS-1250-52XMP 52-Port 10-Gigabit Smart Managed PoE Switch	48 x 10/100/1000BASE-T PoE ports 4 x 10G SFP+ ports for choosing the most suitable media type for your requirement Lite L3 Static Routing for increased network efficiency Advanced security features such as Access Control List, IMPB, 802.1X Authentication to enhance network security and protect the internet IT network 370W PoE Power Budget (802.3af/at) to allow more power for connected devices Dual Image & Configuration for reduced downtime Supports STP/RSTP/MSTP to maintain the quality of network Full CLI for for easy management QoS Enablement for performance improvement of critical network traffic
	D-Link NPP-C62BLK241 24 port Cat6 UTP (Unshielded Twisted Pair) patch panel	Available in 24 (1U), Hand screw, easy to open the cover Eight port RJ45 modules applied Jack shutter to keep dust away Friendly installation, right angle between IDCs and RJ45 keystone jacks ID stripes for identifying port allocations, IDC compatible with 110&Krone tool Mounts in standard 19 ”racks
	D-Link DGS-F1006P-E 6-Port 250m PoE+ Gigabit Switch – 4 PoE & 2 Uplink Ports	4 x PoE+ Ports (IEEE 802.3af/at) – Up to 30W per port 2 x Gigabit Uplink Ports – For router or switch connection 250m PoE Transmission Distance – Ideal for long cable runs Plug and Play – No configuration required QoS Support – Prioritize video or voice traffic Fanless Design – Silent operation for indoor use Energy Efficient – Auto power-down on inactive ports
	D-Link DES-1016D 16-Port Fast Ethernet Unmanaged Desktop Switch	Ports 16 x 10/100BASE-TX Fast Ethernet Switching Capacity 3.2 Gbps QoS Support 4 Queues per Port MAC Address Table 8,000 entries Form FactorD esktop / RackmountableHousingM etal Power SavingY es – IEEE 802.3az Energy Efficient Ethernet Fan Fanless (Silent) Installation TypeP lug-and-Play
	D-Link NKJ-C6WHI1B21 Cat6 UTP Keystone Jack	RJ45 8P8C 180° 50µ Gold-Plated Contacts – Ensures optimal signal transmission and corrosion resistance Supports 22-26 AWG Solid and Stranded Wires – Versatile compatibility for various cable types Universal Color-Coded Labels – Facilitates easy installation with T568A and T568B wiring schemes
	D-Link DGS-1024D 24-Port Unmanaged Gigabit Switch	24 auto-sensing 10/100/1000 Mbps ports for high-speed connectivity Up to 2000 Mbps full-duplex per port for fast data transfers Energy Efficient Ethernet (EEE) reduces power usage during idle times Fanless design for silent operation – perfect for quiet office environments Robust metal casing built to last in demanding conditions Auto MDI/MDIX – no need for crossover cables Plug-and-play setup – no configuration required Supports jumbo frames up to 10,000 bytes for large file transfers
	Cat6 UTP 24 AWG PVC Round Patch Cord – 15M	• 4 Pairs Unshielded Twisted Pair (UTP) Cable • Conductor Metal: Bare Copper • Color Code: Gray • Conductor: 24 AWG • Insulation Material: HD-PE
	D- LINK Cat6 FTP 180Punch Down Keystone Jack	RJ45 8P 8C 180º 50u Keystone Jack Terminating 4 pairs, 22-26 AWG Cable Universal labels color coded for T568A and T568B wiring schemes Fitting high density keystone panel
	D-Link DEM-311GT 1000Base-SX Multi-Mode Fibre Transceiver	Optical Receiver Sensitivity: -18dBm (max) Connector Type: Duplex LC Connector Support Voltage: 3.1-3.5V Max Voltage: 6.0V Max Current: 300mA Wavelength: 850nm Max Distance: 220 meters on 62.5µm fiber, 550 meters on 50µm fiber

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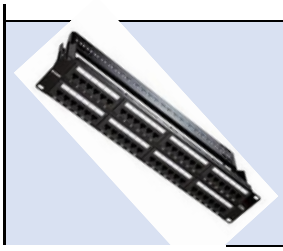
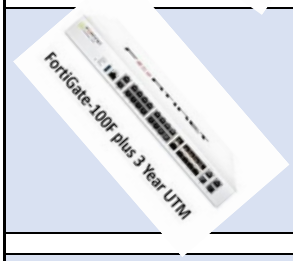
	Dlink Cat 6 FTP 24 AWG UV Rated PVC Outdoor Cable-305M Roll	Product Type: Outdoor Network Cable Cable Category: Cat 6, FTP Shielded Length: 305 meters (1000 feet) roll for extensive coverage Color: Classic Black, for a professional and unobtrusive look Jacket Material: UV-rated PVC, offering excellent outdoor durability Wire Gauge: 24 AWG for reliable data transmission Shielding: FTP (Foiled Twisted Pair) to minimize interference Ports & Capacity 48 RJ45 ports (fully loaded with keystone jacks), numbered 1–48
	D-Link NPP-C61BLK481 48-Port Cat6 Patch Panel	Category StandardC at6 (ANSI/TIA-568-C.2 & ISO/IEC 11801 compliant); backward compatible with Cat5e ShieldingU nshielded Twisted Pair (UTP) Mounting1 9-inch rack mount, 2U height (fits standard equipment racks and cabinets) Module DesignM odular jack blocks (8 ports per module) for easier maintenance and replacement Termination TypeP unch-down IDC terminals (Krone & 110 type compatible) for each port
	Cat 6 EaseNet Single Face Plates + Modules	Cat 6 EaseNet Single Face Plates + Modules Suitable for Gigabit Ethernet applications Shallow design requires minimal back-box depth Interchangeable with all other Euro modules and quarter blanks Fits all standard Euro faceplates
	6 Way Power Distribution Unit – PDU	6 Way 19-inch Rackmountable Horizonal Surge protection to protect against spikes 2m extension lead with 13A UK plug Quality Aluminium Alloy Construction Integral Neon Rocker On/Off Switch
	FG-61E - Fortinet NGFW Entry-level Series FortiGate 61E	Firewall Throughput: 3 Gbps IPS Throughput: 400 Mbps NGFW Throughput: 250 Mbps Threat Protection Throughput: 200 Mbps Interfaces: 10x GE RJ45 ports (including 7 internal, 2 WAN, and 1 DMZ) Storage: 128 GB SSD VPN Support: IPsec VPN throughput up to 2 Gbps SSL Inspection: 135 Mbps (average throughput) with 75,000 concurrent sessions Form Factor: Desktop Managed FortiAPs: Up to 30 total, with 10 in tunnel mode
	FG-100E Hardware plus 3 years 24x7 FortiCare and FortiGuard Unified (UTM) Protection	Interfaces 4 x GE RJ45/SFP Shared Media Pairs, 4 x GE SFP Slots, 2 x WAN GE RJ45 Ports, 2 x GE RJ45 MGMT/DMZ Ports, 12 x GE RJ45 Ports, 2 x 10 GE SFP+ FortiLink Slots, 2x GE RJ45 HA Ports, 1 USB, 1 Console port Firewall Inspection ThroughputU p to 20 Gbps SSL VPN Throughput 750 Mbps Max Concurrent Connections (TCP) 1,500,000 Supported ServicesA nti-malware, Intrusion Prevention, Content Filtering, Application Control, Zero Day Protection ManagementC entralized management via FortiManager Max FortiAPs Supported (Total - Tunnel mode) 128 - 64