БАТЛАВ
"МОНГОЛЫН ТӨМӨР ЗАМ" ТӨХК-ИЙН
ГҮЙЦЭТГЭХ ЗАХИРАЛ
О.БАТЧУЛУУН

2025 оны 12 дугаар сарын 17-ны өдөр

Улаанбаатар хот

ТЕХНИКИЙН ТОДОРХОЙЛОЛТ, ТАВИГДАХ ШААРДЛАГА СҮЛЖЭЭНИЙ ТОНОГ ТӨХӨӨРӨМЖҮҮД

№	Техөөрөмжийн нэр	тоо	Техникийн үзүүлэлт	Техникийн зураг
1	48 портын Гигабит порттой, uplink 4*Гигабит SFP порттой, L2 Managed Network switch	4	Баталгаат хугацаа: 12 сар түүнээс дээш байх Brand: Cisco Model: WS-C2960S-48TS-L Enclosure:Type Rack-mountable - 1U Feature Set: LAN Base Uplink Interfaces: 4 x 1G Small Form-Factor Pluggable(SFP) Downlink Ports: 48 x Ethernet 10/100/1000 ports Expansion Slot(s): 1 (total) / 1 (free) x Stacking Module Switching capacity: 176 Gbps Forwarding performance: (64-byte packet size) 41.7 Mpps DRAM: 128 MB Flash Memory: 64 MB Dimensions: 44.5 x 38.6 x 4.5 cm Package Weight: 9.19 Kg Operation system: Cisco IOS Redundant Power supply: Yes Layer support: 2 Manageable: Yes Management: IEEE802.1p QoS DHCP IEEE 802.1Q VLAN	

			RMON CLI CiscoWorks LAN Management Solution SNMP v3 Syslog
2	Network Rack 42 Unit	2	1. Шинэ байх 2. Баталгаат хугацаа: 12 сар болон түүнээс дээш 3. Чанарын үзүүлэлтээрээ Toten rack-тэй дүйцэхүйц байна 4. Төрөл: Network rack 5. Unit:42U 800ммх1000мм Дагалдах хэрэгсэл: Cable management 1U 5 ширхэг, Rack PDU 8p Universal 5m 2 ширхэг, Тавцан 3 ширхэг
3	Grandstream GWN7672 Wi-Fi 7 Access Point	6	*Tri-Band Wi-Fi 7 Access Point* The GWN7672 is a powerful enterprise-grade Wi-Fi 7 access point that provides wireless speeds up to 11Gbps (BE11000), ideal for demanding environments with medium to high user density. • 11Gbps aggregate wireless throughput, 5Gbps aggregate wired throughput • Integrated Wi-Fi 7 & 2x2x2:2 MIMO with MLO, 4KQAM, MRU, Preamble Puncturing Technology • Up to 175-meter coverage range • Supports 384 concurrent Wi-Fi client devices • Advanced QoS to ensure real-time performance of low-latency applications • Anti-hacking secure boot and critical data/control lockdown via digital signatures, unique security certificate/random default password per device • Self-power adaptation upon auto-detection of PoE+ • Embedded controller manages up to 50 local

			GWN APs; GDMS Networking offers unlimited AP management, & GWN Manager offers on-premise software AP management • 6 сараас дээш баталгаат хугацаатай байх	
4	Industrial switch /Planet ISW-514PTF Industrial IP40 4-Port PoE Switch/	6	• Four 10/100BASE-TX RJ45 auto-MDI/MDI-X ports (Ports 1 to 4) • Four ports with 802.3af/at PoE+ injector function (Ports 1 to 4) • One port 100BASE-FX SFP port • Connector: Removable 6-pin terminal block Pin 1/2 for Power 1 Pin 3/4 for power fault alarm Pin 5/6 for Power 2 • Standard mode: 30-watt PoE transmission distance of 100m at speed of 10/100Mbps VLAN mode: "Port-based VLAN Protection" where ports can be isolated from each other via one DIP switch. Only Port-5 can visit other ports. Extend mode: 25-watt PoE transmission distance of 250m at speed of 10Mbps • 12~54V DC, 7A (max.) • Max. 7 watts/23.8BTU@54V DC input (System) Max. 133 watts/453BTU@54V DC input (Ethernet + PoE Full Loading) • One relay output for power failure. Alarm relay current carry ability: 1A @ 24V AC • 50 x 87.8 x 135 mm • IP40 metal case	

			• Store-and-Forward • 1Gbps/non-blocking • 0.74Mpps @64 bytes • Per port 54V DC, Max. 36 watts • 120W maximum @54V DC 90W maximum@24V DC 60W maximum@12V DC • IEEE 802.3 Ethernet IEEE 802.3u Fast Ethernet IEEE 802.3x Flow Control and Back Pressure IEEE 802.3af Power over Ethernet IEEE 802.3at Power over Ethernet Plus PROFINET Traffic Pass-through with QoS • Operating: -40~75 degrees C Storage: -40~85 degrees C • 6 сараас дээш баталгаат хугацаатай байх	
5	8 port Gigabit Smart PoE switch	20	Баталгаат хугацаа: 12 сар түүнээс дээш байх Brand: Hikvision Model: DS-3E1510P-EI түүнтэй дүйцэхүйц бүтээгдэхүүн • 8 × Gigabit PoE port,2 × Gigabit RJ45 port • Total PoE Power Budget 110W • Support 802.1Q VLAN • Support PoE watchdog to detect and restart the cameras that do not respond • Support STP/RSTP Loop prevention • Support cable detection to locate failure • Up to 300 m Long Range PoE Transmission • 6KV Surge Protection	

6	Toten PDU 8-outlet All usage 3m	6	• Number of Outlets: 8 • Outlet Type: All-usage (universal) • Rating: 16A, 250V • Carrying Power: Up to 2500W • Cable Length: 3.0 meters • Switch: Includes a main switch • Protection: Overload protection is typically included • Construction: Often features a metal body for durability • Installation: Designed for 19-inch rack mounting	
7	**Portable outdoor power station** 500Wh	1	Nitecore 518Wh Portable outdoor power station, black, NES500 түүнтэй дүйцэхүйц • Батарейн багтаамж 518Wh • Батарейн төрөл 18650 Lithium-ion • Чадал 500Вт • Гаралт 220VAC, 12VDC, USB, USB-C, USB-QC • Жин 5.6кг • Температурын зурвас -10 +40с градус • 6 сараас дээш баталгаат хугацаатай байх	
8	**32 ch NVR**		**Hikvision DS-7732NXI-I4/Vpro NVR түүнтэй дүйцэхүйц байх** I/VPro Series NVR with AcuSeek H.265+/H.265/H.264+/H.264 video formats Intelligent analytics based on Guanlan LargeScale AI Models Up to 32-ch AcuSeek and AcuSearch function Up to 8-ch facial recognition for face picture Up to 32-ch IP camera	

			inputs Up to 32-ch 1080p decoding capability 4* 8TB Survilence SATA HDD 6 сараас дээш баталгаат хугацаатай байх	

ХЯНАСАН:

ЗАХИРГАА, УДИРДЛАГЫН ГАЗРЫН ДАРГА Ц.ЭНХБАЯР

ХУУЛЬ, ЭРХ ЗҮЙ, ХАМТЫН АЖИЛЛАГААНЫ ГАЗРЫН ДАРГА Н.БУМ-ЭРДЭНЭ

2025.12.19.

МЭДЭЭЛЛИЙН ТЕХНОЛОГИ, ИННОВАЦЫН ХЭЛТСИЙН ДАРГА Ч.ОДБАЯР

БОЛОВСРУУЛСАН:

МЭДЭЭЛЛИЙН ТЕХНОЛОГИЙН ИНЖЕНЕР С.ГАНЗАМ