

ANNEX A : TECHNICAL SPECIFICATION

Item	Specification Details / Technical Evaluation requirements
Power Adapters for Lenovo P15, Gen1	Lenovo P15 Power Adapter - Part Number 4X20E50574
Iris scanner backup data cables	Cable type : Mini USB type A, USB 2.0, heavy duty shielded cable. Length - 200mm
Power banks 10,000 mah high quality with rugged carry case	Micro USB, USB Type A x 2 ports, USB type C x 1 port with fast charging option, Power rating: 10,000 MaH, Rugged IP Rating 67
LAN Patch Cable - Factory crimped CAT6 - 10m	Cat6 10m heavy duty with 2 RJ45 Connectors factory crimped, with flexible PVC jacket
LAN Patch Cable - Factory crimped CAT6 - 5m	Cat6 05m heavy duty with 2 RJ45 Connectors factory crimped, with flexible PVC jacket
LAN Patch Cable - Factory crimped CAT6 - 3m	Cat6 03m heavy duty with 2 RJ45 Connectors factory crimped, with flexible PVC jacket
Network tool kit - Professional Proskit	Network professional maintenance toolkit with Dual Cutter, Long Nose pliers, Soldering iron, Die set for Coaxial, F, Modular and Fiber Optic, Crimp tool, wire stripper, screwdriver set - all, utility knife, measuring tape, de-soldering pump, hex key set, multi-cable tester, all purpose snip
Electrical tool kit - Professional Proskit	Long nose pliers — 1 pc., Diagonal cutting pliers — 1 pc., Flat nose pliers — 1 pc., Bent nose pliers — 1 pc., Lineman's pliers — 1 pc., Reverse action tweezer — 1 pc., Screwdriver handle — 1 pc., Screwdrivers — 12 pcs., Utility component storage box — 1 pc., Drill set w/adaptor 110 V or 220 V — 1 pcs., Quick heat ceramic soldering iron 110 V or 220 V — 1 pc., Soldering aid tools — 3 pcs., Soldering iron stand with a sponge — 1 pc., Solder — 1 pc., Desoldering pump — 1 pc., Adjustable wrench — 1 pc., Brush — 1 pc., Crimping tool (inch or metric) — 1 pc., Precision screwdriver set — 6 pcs., Needle file set — 5 pcs., Mini-vacuum kit — 1 pc., Cleaning fluid, head, 60 cc — 1 pc., Cleaning fluid, head, 18 cc — 1 pc., 3-1/2 digital multimeter — 1 pc., Testing screwdriver — 1 pc., IC extractor — 1 pc., Flashlight — 1 pc., Folding type hex key set (inch or metric) — 7 pcs., 3 prong holder — 1 pc., PVC insulated tape — 1 pc., Stainless scissors — 1 pc., Bits — 2 pcs., Wrist strap — 1 pc., Utility knife (3 blades self loading) — 1 pc., Electronics combination wrench (inch or metric) — 10 pcs., Hobby vise — 1 pc., Aluminum tool case — 1 pc.
Networking switch - 24 Port Gigabit	24 Gigabit Ethernet ports, Unmanaged, Rackmount or Desktop, 10/100/1000Mbps Ethernet RJ-45 ports, Switching bandwidth 48Gbps, Forwarding Rate: 10 Mbps port: 14,880 frames/sec, 100 Mbps port: 148,800 frames/sec, 1000 Mbps port: 1,488,000 frames/sec, Storage temperature -20° to 70°C, Operating temperature 0° to 50°C, Power 100-240V; 50-60Hz;
B/W Laserjet printer	Black and White, 65 ppm, Resolution 1200 x 1200 dpi, Monthly duty cycle Up to 275,000 pages, Print Technology - Laser, Processor speed -1.2 GHz, Paper trays - 3, Mobile Printing Capability, Connectivity: Hi-Speed Device USB 2.0; 2 Hi-Speed USB 2.0 Host; 1 Gigabit/Fast Ethernet 10/100/1000 Base-TX network; Hardware Integration Pocket; 1 Wi-Fi direct 802.11b/g/n; 1 Bluetooth low energy I/O, Memory - 512MB, Duplex printing - Automatic (standard), Media sizes supported A4, A5, A6, RA4, B5 (JIS), B6 (JIS), 10 x 15 cm, Oficio (216 x 340 mm), Media types: Paper (plain, light, bond, recycled, heavy, extra heavy, cardstock, pre-printed, pre-punched, colored, rough, heavy rough), mono transparency, labels, letterhead, envelope, heavy envelope,
Toner for Black and White Laserjet Printer	Color: Black, Print technology - Laser, Page yield (black and white) = 25,000 pages, Operating temperature range: 15 to 30°C, Storage temperature range: -20 to 40°C
Laserjet Pro MFP dw printer/copier	Color: Black, 38 pages per minute (ppm) on A4 and 40 ppm on letter-size paper, Print technology - Laser, Page yield (black and white) = 25,000 pages, Operating temperature range: 15 to 32.5°C, Storage temperature range: -20 to 40°C, connectivity: 10/100/1000 Ethernet LAN connection with IPv4 and IPv6, Hi-Speed USB 2.0, Control-panel display and input: Color touchscreen control panel, Job storage and private printing, Copies and scans up to 26 pages per minute (ppm), 50-page document feeder with dual-head scanning for single-pass duplex copying and scanning, Scan to E-mail, Scan to USB, and Scan to Network Folder options

OEM Toner for Laserjet Pro MFP dw printer/copier	Color: Black, Print technology - Laser, Page yield (black and white) = 3,100 pages, Operating temperature range: 15 to 30°C, Storage temperature range: -20 to 40°C
Air Blower	Dual Function with blowing and suction mode, Dust bag attachment, Lock on-On switch, 530W motor, max speed 16, 000 RPM, Airflow 3.5 cubic meter per second, 3-Meter cord Length
Multiple Laptop Case (Rugged) with wheels - 10 to 15 Laptops	10-15 Laptops carrying case - watertight, airtight, dustproof, chemical-resistant, and corrosion-proof case, Custom interior to hold 12"-17" Laptop, Temperature rating - 40 to +210°F / -40 to +99°C, Stainless steel hardware
Portable Public Address (Rechargeable speaker with wheels and 2 Recharg. Mic)	Portable, 2 UHF Wireless Mics, Decibel ≥65dB, Lithium rechargeable ion batteries
Portable power station with Solar Charging (4kWh)	Capacity 3600Wh, AC Output - 5 outlets, 3600W total (Surge 7200W), USB-A Output 2 ports, 5V, 2.4A, 12W Max per port, USB-C Output 2 ports, 5/9/12/15/20V, 5A, 100W Max per port, AC Charging Input 1800W Max, 240V~15A, 3000W Max, 240V~12.5A, Solar Charging Input 1600W Max, 11-150V, 15A
Tablet	CPU Speed 3.09GHz, CPU Type Octa-Core, Display: 12.4" (315.0mm), Resolution (Main Display) 2800 x 1752 (WQXGA+), Color Depth (Main Display) 16M, Pen Support, Camera: Rear Camera - Resolution 13.0 MP + 5.0 MP, Front Camera - Resolution 8.0 MP, Video Recording Resolution UHD 4K (3840 x 2160)@30fps, Storage: 128Gb, RAM: 6gb, Connectivity: Wi-Fi, Bluetooth v5.0, USB 3.2 Gen 1
Power Extension cables with Surge protector Heavy duty (50 Meter with reel)	6-8 Outlet powerstrip, Surge suppression : 1800 Joules, Rating: 240V - 50metres
Power Extension cables with Surge protector Heavy duty (25 Meter with reel)	6-8 Outlet powerstrip, Surge suppression : 1800 Joules, Rating: 240V - 25metres
Power Extension cables with Surge protector Heavy duty (3 Meter)	6-8 Outlet powerstrip, Surge suppression : 1800 Joules, Rating: 240V - 3metres
Executive Laptop backpack	Compatible with upto 17" size laptop, weather, Waterproof, dust resistant, Polyester, extra padded and heavy duty, cable management and accessories compartments, 10-15 Unique compartments. Secondary compartment for tablet
monitor	HP EliteDisplay E273m cm (27") Monitor
RACK	HPE 42U 600mmx1075mm G2 Kitted Advanced Pallet Rack with Side Panels and Baying
server	HPE ProLiant ML350 Gen10 Hot Plug LFF Configure-to-order Server
server	HP ProLiant DL380 Gen10 8SFF Server (6 x HPE 600GB)
UPS	APC Smart-UPS X 3000VA Rack/Tower LCD 200-240V (for servers)
UPS BATTERY	APC Smart-UPS X 120V External Battery Pack Rack/Tower (X3000VA)
license	LICENSE,HP,ILO ADVANCE PACK
accessories	expreZo Ezswitch KVM 8-port switch, EZ-108 (8-port)
accessories	EZSwitch 4-in-1 cable, 3 metres
accessories	AAXA P300 Neo Smart
accessories	Lenovo ThinkPad Professional 15.6" Slim Top-load
digital camera	Sony DSC-HX90V