



Item No.	Unit of Measure	Brief Description	Qty	ABC/UNIT
19	unit	Computer Desktop Processor Processor type: core i3; Generation: at least 5th gen. Clockspeed: up to 3.70 Ghz; Slot type: LGA1151	3	4,800.00
20	Piece	Computer mouse USB type	9	350.00
21	Piece	Computer keyboard USB type	9	457.78
22	unit	DATA RACK CABINET Technical specifications: data rack cabinet 42U W-600mm by D-1200mm perforated; model: HR-DC 6242; width (mm)600; depth (mm) 1200; capacity 42U; height: 2,055mm (6'7"); description (1) front mesh door and rear mesh door, (2) with three fixed shelves; (3) 4 fans	1	55,440.00
23	Piece	Desktop power supply SFF (small form factor) 220 watts true rated, model: H220AS-01	4	2,800.00
24	Piece	Desktop power supply (ATX) 300watts true rated	4	3,600.00
25	Piece	Desktop power supply (ATX) - 24+4 pin; - 750 watts	5	1,320.00
26	unit	DVD External Drive	1	1,650.00
27	Unit	Gigabit router dual band wifi (2.4Ghz/5Ghz)	1	6,500.00
28	Piece	HARD DISK DRIVE series: Blue; interface: SATA 3.0 6Gb/s; capacity: 500GB; RPM: 7200RPM; cache: 32MB; form factor: 3.5-inch	1	2,600.00
29	Piece	Hard Disk Drive (HDD), 2.5", 1TB, SATA III, 3.0Gbps	1	4,500.00
30	Piece	Hard Disk Drive (SSD), 2.5", 1TB, SATA III, 3.0Gbps	1	9,000.00
31	Piece	HDD Enclosure 2.5", SATA III, 3.0Gbps	1	900.00
32	Piece	Hardrive 3.5" (SATA type HDD 3.0 Gbps) capacity: 500GB	5	2,800.00
33	Piece	Hardrive 2.5" (SATA type HDD 3.0 Gbps) capacity: 500GB	5	2,995.00
34	Piece	Impact punch down tool for network cable	2	850.00
35	Piece	KEYBOARD AND MOUSE COMBO KIT Type: keyboard and mouse ; category: A-shape keyboard; ports: USB ports; compatible with desktop and laptop	2	756.00
36	Piece	LAN cable tester (RJ11, RJ45)	3	850.00
37	Piece	LOAD BALANCER BROADBAND ROUTER Technical specification: load balancer broadband router Standards and protocols IEEE 802.3, 802.3u, 802.3x, TCP/IP, DHCP, ICMP, NAT, PPPoE, SNTP, HTTP, DDNS; interface 1 fixed 10/100 ethernet LAN port; 3 changeable 10/100 ethernet WAN/LAN ports; network media 10BASE-T: UTP category 3,4,5 cable (max 100m); 100BASE-TX: UTP category 5, 5e cable (max 100m); button reset button; power supply external 9V/0.6A DC adapter; flash 16MB; DRAM128MB; LED PWR, SYS, WAN, LAN, WAN/LAN; Dimensions (WxDxH) 6.2 x 4.0 x 1.0 in; (158 x 101 x 25mm); performance: concurrent session 10k BASIC FUNCTIONS WAN connection type static/dynamic IP, PPPoE, PPTP, L2TP, dual access, Bigpond cable, MAC clone modify WAN/LAN MAC address; DHCP/DHCP server/client, DHCP address reservation; switch setting; rate control, port configuration, port VLAN; ADVANCED FUNCTIONS; ACL IP/MAC/URL/WEB filtering; IGMP IGMP proxy/IGMP snooping forwarding Virtual server, port triggering, DMZ; load balance: policy routing, link backup; Routing: Static Routing Security: FTP/S/P/PPTP/IPsec/H.323 ALG, DoS Defence, Ping of Death, IP/MAC binding; traffic control: bandwidth control, session limit	1	5,000.00

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Item No.	Unit of Measure	Brief Description	Qty	ABC/UNIT
		MANAGEMENT ServiceDynamic DNS, UPnP; maintenanceSystem time setting; daylight saving time; SNMP; diagnostics; firmware upgrade; factory defaults/reboot; backup/restore; system log; remote management; system statistics OTHERS; certificationCE, FCC, RoHS; package contents TL-R470T+power adapter RJ-45 ethernet cableQuick installation guide		
38	Piece	LONG-RANGE, LIGHTWEIGHT CPE ACCESS POINT Technical Specifications: Dimensions: 358 x 271.95 x 272.5 mm (14.09 x 10.71 x 10.73"); Power supply: 24V, 0.3A gigabit PoE adapter (included); Max. power consumption: 7W; power method: passive PoE (pairs 4, 5+, 7,8 return); supported voltage range: 24V ±10%; gain: 23 dBi; networking interface: (1) 10/100/1000 ethernet port processor specs: MIPS 74Kc; memory: 64 MB DDR2; LEDs: power, ethernet; channel sizes: Ptp 10/20/30/40/50/60/80 MHz; enclosure characteristics: reflector (SGCC 0.6T)/plastic: PC; mounting: pole-mounting kit (included); wind loading: 275 N @ 200 km/h (61.8 lbf @ 125 mph); wind survivability: 200km/h (125 mph); ESD/EMP protection: ± 24 kV contact/air; operating temperature: 40 to 70°C (-40 to 158°F); operating humidity: 5 to 95% noncondensing; certifications: CE, FCC, IC	2	11,095.00
39	Piece	Memory module (RAM) for AIO-SODIMM DDR3L PC3L-12800 4GB	3	1,400.00
40	Piece	Memory module (RAM) for desktop DIMM DDR3 PC3L-12800 4GB	2	1,350.00
41	Piece	Mountable network patch panel 24 ports	5	2,500.00
42	unit	Network crimping tool 4p/6p/8p with wire stripper	2	2,500.00
43	Piece	Power cord standard US type at least 1.5m	29	65.00
44	piece	POWER SUPPLY 650W, quiet hYB fan, active power protection, power supply; 80 PLUS bronze certified: up to 89% efficiency; 100% Japanese capacitors; 120mm hydraulic bearing (HYB) fan; single +12V rail; meet ErP LOT6 2013 (<0.5W at standby mode); OPP/UVF/OVP/SCP/OCV protection	1	3,179.00
45	Piece	Power supply adapter 65W 3.34A for AIO computer	4	1,200.00
46	Unit	Prepaid LTE Modem + Wifi Router B310 (Globe)	1	2,500.00
47	Unit	Presentation clicker laser pointer Specifications: * wireless RF technology * transmitter and USB receiver included * up to 10m/30ft away * Laser color (red) * plug & play * support Windows 7 to Windows 10	5	1,710.00
48	Piece	RANDOM ACCESS MEMORY 8GB DDR3 1600 UDIMM RAMDDR3 1600 (PC3 12800); Timing 11-11-11-28; CAS latency 11; voltage 1.5V	2	2,000.00
49	Piece	SSD Enclosure 2.5", SATA III, 3.0Gbps	1	900.00
50	Unit	Tone generator (for cable tester)	1	8,500.00
51	Unit	UPS 650VA	10	2,700.00
52	Unit	UPS 650VA, 230V, AVR, Universal Sockets	3	3,500.00

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