

## Equipment List for Fuvahmulaku Network Center

MNU-CA-PAMD/2020/37

#	Item	Specification	Quantity
<b>CCNA, CCNA Security, CCNA Cyber Ops Equipment List</b>			
1	ISR4221/K9 Router	Cisco ISR 4221 with IOS-XE Image with Payload Encryption 2GE, 2NIM, 8G FLASH, 4G DRAM, IPB	6
2	WS-C2960+24C-L	Catalyst 2960 Plus 24 10/100 + 2TSFP	6
3	Wireless Router	Wireless router (generic brand) with WPA2 support	4
4	Wireless LAN Adapter	Wireless LAN Adapter	6
5	CAB-SS-V35NT	V.35 Cable, DTE Male to Smart Serial, 10 Feet	6
6	CAB-SS-V35FC	V.35 Cable, DCE Female to Smart Serial, 10 Feet	6
7	CAB-CONSOLE-USB	Console Cable 6ft with USB Type A and mini-USB Type B	6
8	CAB-CONSOLE-RJ45	Console Cable 6ft with RJ45 and DB9F	6
9	ASA5506-K9	ASA 5506-X with FirePOWER services, 8GE, AC, 3DES/AES	2
10	NIM-2T	2-Port Serial WAN Interface card	6
11	Mini PC	Processor: 3.5 GHz Intel Core i7-7567U Dual-Core RAM: 2400 MHz 16GB DDR4 RAM Graphics: Intel HD Graphics 650 Hard Disk Storage: 1 x 2 TB 2.5" SATA Ports: 4 x USB Type-A (USB 3.1 / USB 3.2 Gen 1) USB Type-C Ports: 1 x Thunderbolt 3 Display: 1 x HDMI 2.0 Audio: Headphone/Microphone Input/Output Built-In Microphones: Yes Media Card Slots: 1 x microSD/SDHC/SDXC Ethernet: 1 x RJ45 (Gigabit) Wi-Fi: Wi-Fi 5 (802.11ac); Dual-Band (2.4 & 5 GHz) Power Supply: 65 W	3
<b>IoT Equipment List</b>			
12	SparkFun Tinker Kit	SparkFun RedBoard SparkFun Motor Driver (with Headers) Breadboard - Self-Adhesive (White) Servo -- Sub-Micro Size Hobby Gearmotor -- 200 RPM (Pair) Temperature Sensor -- TMP36 Mini Photocell Piezo Speaker SparkFun USB Mini-B Cable -- 6 Foot Jumper Wires -- 7" M/M 30 AWG (30 Pack) LED - RGB Diffused Common Cathode Red, Blue, Yellow, and Green LEDs Red, Blue, Yellow, and Green Buttons Mini Power Switch 10K Trimpot Battery Holder - 4xAA to Barrel Jack Connector 330 and 10K Resistors	20
13	SparkFun Inventor's Kit Add-On Pack - v4.0	1x Breadboard --- Mini Modular (White) 1x SoftPot Potentiometer 1x Flex Sensor 1x Mini Photocell 1x Hobby Motor 2x Small Signal Diode --- 1N4148 2x Transistor --- NPN (BC337) 1x Assorted LED 20-Pack (5 Red, 5 Blue, 5 Yellow, 5 Green) 1x Multicolor Button 4-Pack (1 Red, 1 Blue, 1 Yellow, 1 Green) 1x Premium Jumper Wire 10-Pack --- 6" M/F 1x Premium Jumper Wire 30-Pack --- 4" M/M	20
14	Raspberry Pi 3 B+ Starter Kit	Raspberry Pi 3 B+ SparkFun Pi Wedge SparkFun FTDI Basic Breakout --- 3.3V Breadboard --- Full-Size (Bare) Pi Tin for the Raspberry Pi --- Black 16GB microSD (Preloaded with OS) microSD USB Reader Multicolor Buttons (4 pack) Assorted LED (20 pack) Resistor 330 Ohm 1/6 Watt PTH --- 20 pack Raspberry Pi GPIO Ribbon Cable --- 40-pin, 6" SparkFun USB Mini-B Cable --- 6 Foot	20



		Wall Adapter Power Supply --- 5.1V DC 2.5A (USB Micro-B)	
		Jumper Wires Premium 6" M/F --- 10 Pack	
		Jumper Wires Standard 7" M/M --- 30 Pack	
<b>IT Essential v7.0 Equipment List</b>			
15	PC Repair Tools	Phillips screwdriver Flathead screwdriver Hex Socket Drivers (various sizes) (optional) Electrostatic discharge (ESD) wrist strap and cord Electrostatic discharge (ESD) mat with a ground cord Safety glasses Lint-free cloth Electronics cleaning solution (optional) Flashlight Thermal compound Multimeter Power supply tester (optional) Wire cutters RJ-45 Crimpers Cable strippers Modular cable tester Network Loop back plugs (optional)	4
16	Printer	Generic printer or integrated printer/scanner/copier	2
17	Ethernet Cable (CAT 6 ) Cable Roll	Ethernet cable and RJ-45 connectors for building and testing working cables	1
18	Network Tool Kit	Network Tool Kit with Digital Cable Tester and Probe	4
19	Network Tool Kit	Analog Cable Tester	4
20	Laptop	Processor: Intel Core i5-8250U 1.6 GHz 8th Generation Processor RAM: 16GB DDR4 RAM Storage: 256GB SSD Graphics: NVidia GeForce MX150 2GB DDR5 VRAM Display: 15.6 Inch Full HD LED-backlit IPS display Operating System: Windows Pro 64-bit Battery Life: Up to 15 hours	2
21	Projector	Contrast Ratio: 100000:1 Projection: LED Native Resolution: 1280x800 Native Aspect Ratio:16:9 (WXGA) Video Compatibility: EDTV, HDTV, SDTV Lamp Life: 20,000 Hours Audio: Audio In, Audio Out DVI or HDMI : Yes Zoom Lens Ratio: Fixed (1.7x Digital Zoom) Speakers: Yes Special Features: LED Light Engine, Wireless Wireless Networking: Yes	2
22	RJ45 Connectors	RJ-45 connectors	200

