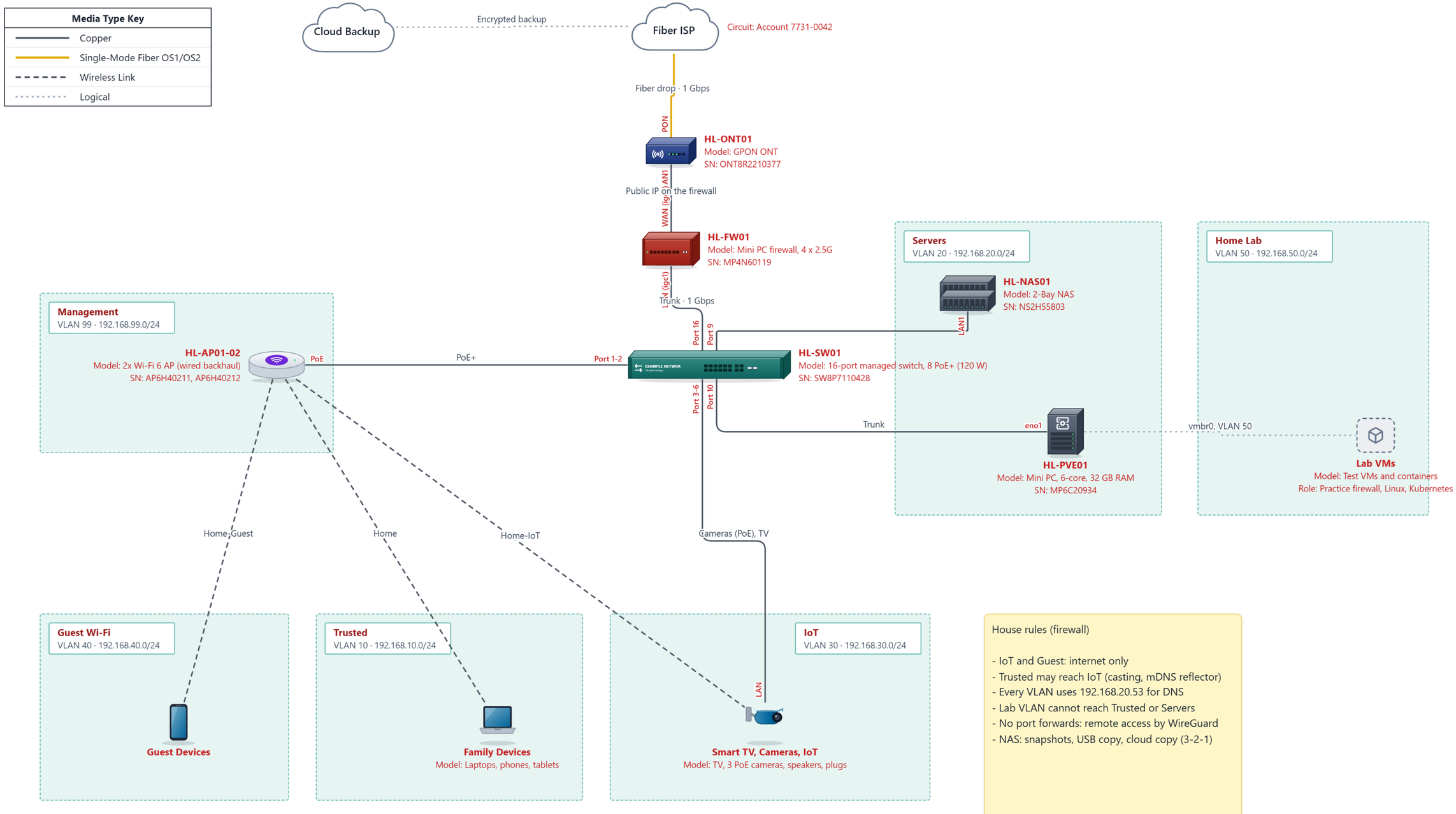

DOCUMENT	SHEET TITLE	VERSION	LAST CHANGED	VERIFIED	SHEET
Home Network and Home Lab Home · 12 Example Court, Springfield	**Home Network**	**1.0**	**2026-11-25**		**1** of 5
		DRAWN BY	LAST EDITOR	APPROVED	

Device Inventory 12 devices

Hostname	Type	Vendor / model	Serial	Mgmt IP	Area	Location	Page
Fiber ISP	ISP / Carrier						Home Network
Cloud Backup	Cloud Provider						Home Network
HL-ONT01	Modem / ONT	ISP-supplied GPON ONT	ONT8R2210377			Utility closet	Home Network
HL-FW01	Firewall	Example Systems Mini PC firewall, 4 x 2.5G	MP4N60119	192.168.99.1		Utility closet, shelf	Home Network
HL-SW01	Switch	Example Networks 16-port managed switch, 8 PoE+ (120 W)	SW8P7110428	192.168.99.2		Utility closet, shelf	Home Network
HL-AP01-02	Wireless AP	Example Networks 2x Wi-Fi 6 AP (wired backhaul)	AP6H40211, AP6H40212	192.168.99.11, 192.168.99.12	Management	Hallway and living room ceilings	Home Network
HL-NAS01	Storage / NAS	Example Storage 2-Bay NAS	NS2H55803	192.168.20.20	Servers	Utility closet	Home Network
HL-PVE01	Virtual Host	Example Systems Mini PC, 6-core, 32 GB RAM	MP6C20934	192.168.20.10	Servers	Utility closet	Home Network
Lab VMs	Virtual Machine	Test VMs and containers			Home Lab		Home Network
Family Devices	Laptop	Laptops, phones, tablets			Trusted		Home Network
Smart TV, Cameras, IoT	Camera / IoT	TV, 3 PoE cameras, speakers, plugs			IoT		Home Network
Guest Devices	Mobile Device				Guest Wi-Fi		Home Network

Link / Cabling Schedule 12 links

Cable ID	End A	Interface	End B	Interface	Media	Speed	VLANs	Length	Test	Label / notes	Page
	Fiber ISP		HL-ONT01	PON	Single-Mode Fiber OS1/OS2	1 Gbps				Fiber drop	Home Network
	Fiber ISP		Cloud Backup		Logical					Encrypted backup	Home Network
HL-C01	HL-ONT01	LAN1	HL-FW01	WAN (igc0)	Copper			1 m		Public IP on the firewall	Home Network
HL-C02	HL-FW01	LAN (igc1)	HL-SW01	Port 16	Copper	1 Gbps	10,20,30,40,50,99	0.5 m		Trunk	Home Network
HL-C11-12	HL-SW01	Port 1-2	HL-AP01-02	PoE	Copper		99 native, 10, 30, 40			PoE+	Home Network
HL-C05	HL-SW01	Port 9	HL-NAS01	LAN1	Copper		20	1 m			Home Network
HL-C06	HL-SW01	Port 10	HL-PVE01	eno1	Copper		20 native, 50	1 m		Trunk	Home Network
	HL-PVE01		Lab VMs		Logical					vmbr0, VLAN 50	Home Network
HL-C13-16	HL-SW01	Port 3-6	Smart TV, Cameras, IoT	LAN	Copper		30			Cameras (PoE), TV	Home Network
	HL-AP01-02		Family Devices		Wireless Link					Home	Home Network
	HL-AP01-02		Smart TV, Cameras, IoT		Wireless Link					Home-IoT	Home Network
	HL-AP01-02		Guest Devices		Wireless Link					Home-Guest	Home Network

VLAN / Subnet Table 6 VLANs

VLAN	Name	Subnet	Gateway	DHCP scope / helper	Devices	Page
10	Trusted	192.168.10.0/24	192.168.10.1	HL-FW01, .100-.199	1	Home Network
20	Servers	192.168.20.0/24	192.168.20.1	Static and reservations	2	Home Network
30	IoT	192.168.30.0/24	192.168.30.1	HL-FW01, .100-.249	1	Home Network
40	Guest Wi-Fi	192.168.40.0/24	192.168.40.1	HL-FW01, client isolation	1	Home Network
50	Home Lab	192.168.50.0/24	192.168.50.1	HL-FW01, .100-.199	1	Home Network
99	Management	192.168.99.0/24	192.168.99.1	Static	1	Home Network

Data Stores 1 store

Data store	Stores	Class.	Sensitive data	Encrypted at rest	Kept for	Region	Owner	Boundary
HL-NAS01	Family photos, documents, PC backups, VM backups				Hourly snapshots 2 days, daily 30 days			