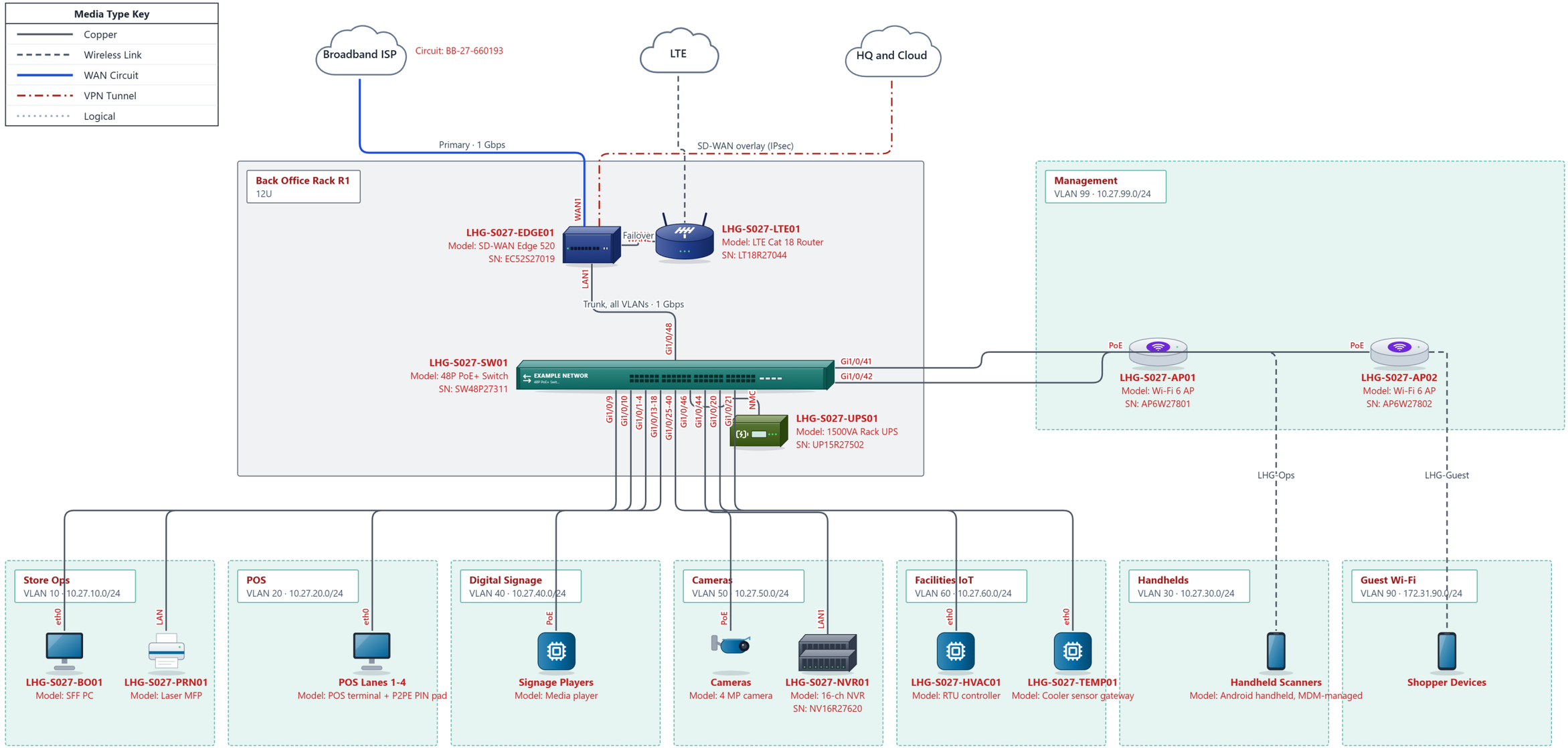
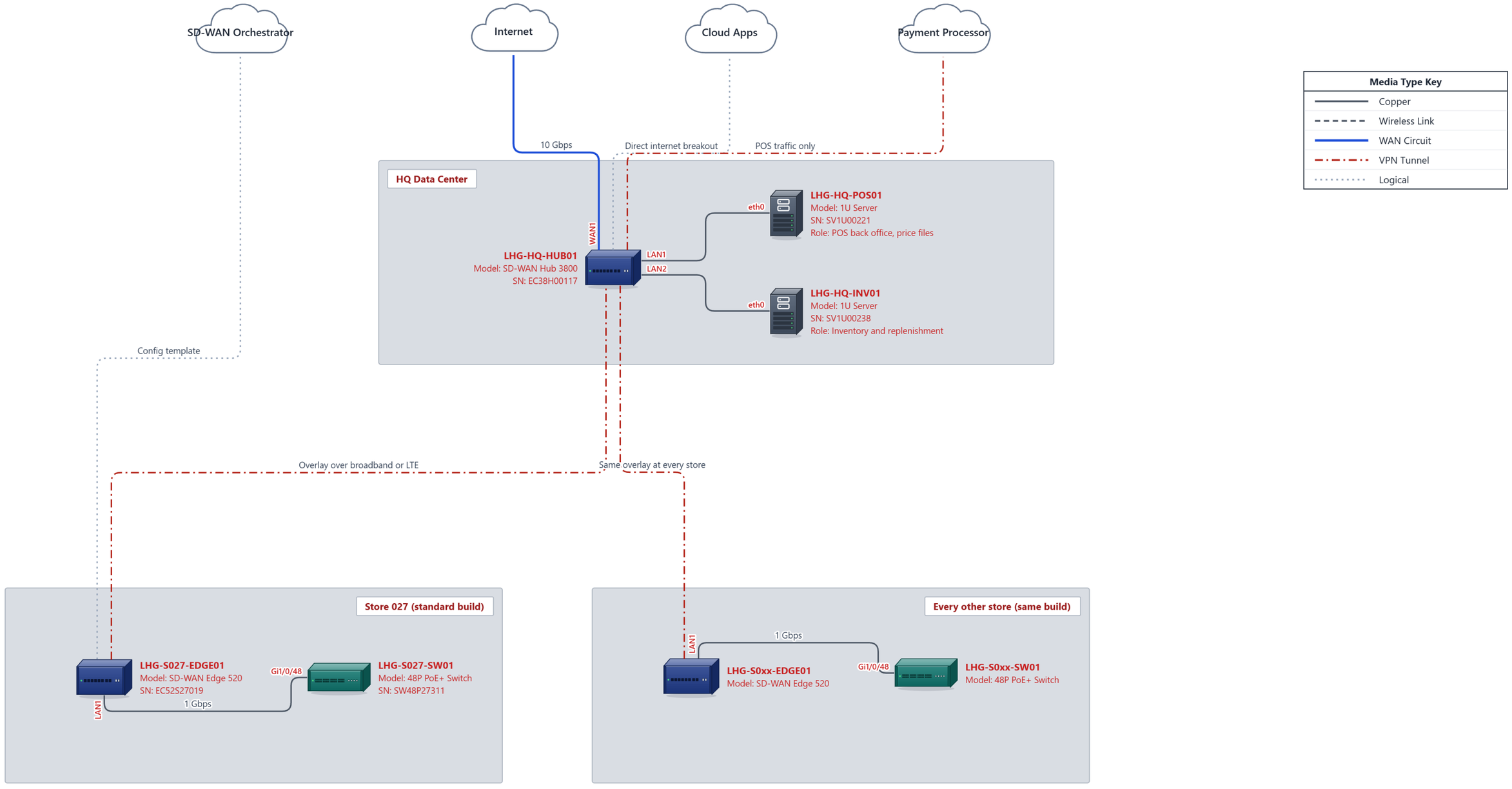


DOCUMENT **Lakeside Home & Garden - Standard Store Network (Store 027)** Lakeside Home & Garden · Store 027, 2700 Lakeshore Drive, Springfield	SHEET TITLE **Store 027 Network**	VERSION 1.0	LAST CHANGED 2026-11-25	VERIFIED	SHEET **1** of 5
		DRAWN BY	LAST EDITOR	APPROVED	



DOCUMENT
Lakeside Home & Garden - Standard Store Network (Store 027)
Lakeside Home & Garden · Store 027, 2700 Lakeshore Drive, Springfield

SHEET TITLE
Chain: HQ, Cloud and Stores

VERSION	LAST CHANGED	VERIFIED	SHEET
1.0	2026-11-25		2 of 5
DRAWN BY	LAST EDITOR	APPROVED	

Device Inventory 30 devices

Hostname	Type	Vendor / model	Serial	Mgmt IP	Area	Location	Page
Broadband ISP	ISP / Carrier						Store 027 Network
LTE	Cellular / LTE						Store 027 Network
HQ and Cloud	Cloud Provider						Store 027 Network
LHG-S027-EDGE01	SD-WAN Edge	Example Networks SD-WAN Edge 520	EC52S27019	10.27.99.1	Back Office Rack R1	Back office rack R1, U6	Store 027 Network
LHG-S027-LTE01	LTE / Cellular Router	Example Networks LTE Cat 18 Router	LT18R27044	10.27.99.3	Back Office Rack R1	Back office rack R1, shelf (antenna on roof)	Store 027 Network
LHG-S027-SW01	Switch	Example Networks 48P PoE+ Switch	SW48P27311	10.27.99.2	Back Office Rack R1	Back office rack R1, U4	Store 027 Network
LHG-S027-UPS01	UPS	Example Power 1500VA Rack UPS	UP15R27502	10.27.99.5	Back Office Rack R1	Back office rack R1, U1-2	Store 027 Network
LHG-S027-AP01	Wireless AP	Example Networks Wi-Fi 6 AP	AP6W27801	10.27.99.11	Management	Sales floor, center	Store 027 Network
LHG-S027-AP02	Wireless AP	Example Networks Wi-Fi 6 AP	AP6W27802	10.27.99.12	Management	Stockroom	Store 027 Network
LHG-S027-BO01	Workstation	Example Systems SFF PC		10.27.10.21	Store Ops	Manager desk	Store 027 Network
LHG-S027-PRN01	Printer	Example Print Laser MFP		10.27.10.30	Store Ops	Back office	Store 027 Network
POS Lanes 1-4	Workstation	POS terminal + P2PE PIN pad		10.27.20.11, 10.27.20.12, 10.27.20.13, 10.27.20.14	POS	Front registers, lanes 1-4	Store 027 Network
Signage Players	Generic Device	Example Signage Media player			Digital Signage		Store 027 Network
Cameras	Camera / IoT	Example Security 4 MP camera			Cameras		Store 027 Network
LHG-S027-NVR01	Storage / NAS	Example Security 16-ch NVR	NV16R27620	10.27.50.10	Cameras	Back office rack R1, U8	Store 027 Network
LHG-S027-HVAC01	Generic Device	Example Controls RTU controller		10.27.60.10	Facilities IoT	Roof, RTU 1-2	Store 027 Network
LHG-S027-TEMP01	Generic Device	Example Sensors Cooler sensor gateway		10.27.60.20	Facilities IoT	Stockroom	Store 027 Network
Handheld Scanners	Mobile Device	Android handheld, MDM-managed			Handhelds		Store 027 Network
Shopper Devices	Mobile Device				Guest Wi-Fi		Store 027 Network
Internet	Internet						Chain: HQ, Cloud and Stores
Cloud Apps	Cloud Provider						Chain: HQ, Cloud and Stores
Payment Processor	Cloud Provider						Chain: HQ, Cloud and Stores
SD-WAN Orchestrator	Cloud Provider						Chain: HQ, Cloud and Stores
LHG-HQ-HUB01	SD-WAN Edge	Example Networks SD-WAN Hub 3800	EC38H00117	10.0.99.1	HQ Data Center	HQ DC, Rack A3, U20	Chain: HQ, Cloud and Stores
LHG-HQ-POS01	Server	Example Systems 1U Server	SV1U00221	10.0.20.10	HQ Data Center	HQ DC, Rack A3, U12	Chain: HQ, Cloud and Stores
LHG-HQ-INV01	Server	Example Systems 1U Server	SV1U00238	10.0.10.20	HQ Data Center	HQ DC, Rack A3, U11	Chain: HQ, Cloud and Stores
LHG-S027-EDGE01	SD-WAN Edge	Example Networks SD-WAN Edge 520	EC52S27019	10.27.99.1	Store 027 (standard build)	Back office rack R1, U6	Chain: HQ, Cloud and Stores
LHG-S027-SW01	Switch	Example Networks 48P PoE+ Switch	SW48P27311	10.27.99.2	Store 027 (standard build)	Back office rack R1, U4	Chain: HQ, Cloud and Stores
LHG-S0xx-EDGE01	SD-WAN Edge	Example Networks SD-WAN Edge 520			Every other store (same build)		Chain: HQ, Cloud and Stores
LHG-S0xx-SW01	Switch	Example Networks 48P PoE+ Switch			Every other store (same build)		Chain: HQ, Cloud and Stores

Link / Cabling Schedule 28 links

Cable ID	End A	Interface	End B	Interface	Media	Speed	VLANs	Length	Test	Label / notes	Page
	Broadband ISP		LHG-S027-EDGE01	WAN1	WAN Circuit	1 Gbps				Primary	Store 027 Network
	LTE		LHG-S027-LTE01		Wireless Link						Store 027 Network
S027-C002	LHG-S027-LTE01	LAN1	LHG-S027-EDGE01	WAN2	Copper			1 m	Pass	Failover	Store 027 Network
	LHG-S027-EDGE01		HQ and Cloud		VPN Tunnel					SD-WAN overlay (IPsec)	Store 027 Network
S027-C003	LHG-S027-EDGE01	LAN1	LHG-S027-SW01	Gi1/0/48	Copper	1 Gbps	10,20,30,40,50,60,90,99	0.5 m	Pass	Trunk, all VLANs	Store 027 Network
S027-C005	LHG-S027-SW01	Gi1/0/46	LHG-S027-UPS01	NMC	Copper		99	1 m			Store 027 Network
S027-D041	LHG-S027-SW01	Gi1/0/41	LHG-S027-AP01	PoE	Copper		99 native, 30, 90	38 m	Pass		Store 027 Network
S027-D042	LHG-S027-SW01	Gi1/0/42	LHG-S027-AP02	PoE	Copper		99 native, 30, 90	17 m	Pass		Store 027 Network
S027-D009	LHG-S027-SW01	Gi1/0/9	LHG-S027-BO01	eth0	Copper		10	6 m	Pass		Store 027 Network
S027-D010	LHG-S027-SW01	Gi1/0/10	LHG-S027-PRN01	LAN	Copper		10	8 m	Pass		Store 027 Network
S027-D001-004	LHG-S027-SW01	Gi1/0/1-4	POS Lanes 1-4	eth0	Copper		20		Pass		Store 027 Network
S027-D013-018	LHG-S027-SW01	Gi1/0/13-18	Signage Players	PoE	Copper		40		Pass		Store 027 Network
S027-D025-040	LHG-S027-SW01	Gi1/0/25-40	Cameras	PoE	Copper		50		Pass		Store 027 Network
S027-C008	LHG-S027-SW01	Gi1/0/44	LHG-S027-NVR01	LAN1	Copper		50	1 m	Pass		Store 027 Network
S027-D020	LHG-S027-SW01	Gi1/0/20	LHG-S027-HVAC01	eth0	Copper		60	45 m	Pass		Store 027 Network
S027-D021	LHG-S027-SW01	Gi1/0/21	LHG-S027-TEMP01	eth0	Copper		60	24 m	Pass		Store 027 Network
	LHG-S027-AP01		Handheld Scanners		Wireless Link					LHG-Ops	Store 027 Network
	LHG-S027-AP02		Shopper Devices		Wireless Link					LHG-Guest	Store 027 Network
	Internet		LHG-HQ-HUB01	WAN1	WAN Circuit	10 Gbps					Chain: HQ, Cloud and Stores
	LHG-HQ-HUB01	LAN1	LHG-HQ-POS01	eth0	Copper		20				Chain: HQ, Cloud and Stores
	LHG-HQ-HUB01	LAN2	LHG-HQ-INV01	eth0	Copper		10				Chain: HQ, Cloud and Stores
	LHG-HQ-HUB01		Cloud Apps		Logical					Direct internet breakout	Chain: HQ, Cloud and Stores
	LHG-S027-EDGE01		LHG-HQ-HUB01		VPN Tunnel					Overlay over broadband or LTE	Chain: HQ, Cloud and Stores
	LHG-S0xx-EDGE01		LHG-HQ-HUB01		VPN Tunnel					Same overlay at every store	Chain: HQ, Cloud and Stores
	LHG-HQ-HUB01		Payment Processor		VPN Tunnel					POS traffic only	Chain: HQ, Cloud and Stores
	SD-WAN Orchestrator		LHG-S027-EDGE01		Logical					Config template	Chain: HQ, Cloud and Stores
	LHG-S027-EDGE01	LAN1	LHG-S027-SW01	Gi1/0/48	Copper	1 Gbps	10,20,30,40,50,60,90,99				Chain: HQ, Cloud and Stores
	LHG-S0xx-EDGE01	LAN1	LHG-S0xx-SW01	Gi1/0/48	Copper	1 Gbps	10,20,30,40,50,60,90,99				Chain: HQ, Cloud and Stores

VLAN / Subnet Table 8 VLANs

VLAN	Name	Subnet	Gateway	DHCP scope / helper	Devices	Page
10	Store Ops	10.27.10.0/24	10.27.10.1	LHG-S027-EDGE01, .100-.199	2	Store 027 Network
20	POS	10.27.20.0/24	10.27.20.1	Static (allow-listed MACs)	1	Store 027 Network
30	Handhelds	10.27.30.0/24	10.27.30.1	LHG-S027-EDGE01	1	Store 027 Network
40	Digital Signage	10.27.40.0/24	10.27.40.1	LHG-S027-EDGE01	1	Store 027 Network
50	Cameras	10.27.50.0/24	10.27.50.1	Reservations	2	Store 027 Network
60	Facilities IoT	10.27.60.0/24	10.27.60.1	Static	2	Store 027 Network
90	Guest Wi-Fi	172.31.90.0/24	172.31.90.1	LHG-S027-EDGE01, client isolation	1	Store 027 Network
99	Management	10.27.99.0/24	10.27.99.1	Static	2	Store 027 Network