



VLAN 100 IT-Management

even VLAN numbers only

200 POWER · 300 INTERCOM · 400 RIGGING · 500 LIGHT · 600 AUDIO · 700 VIDEO · 800 SFX · 900 spare

IP schema: 10 • VL • AN • client / 23



EXAMPLE

1st octet: 10.

VLAN 0512 -> 05 | 12

*10

2nd octet: 50.

3rd octet: 12.

+1 | next odd number

3rd octet: 12. & 13.

Subnet: 10.50.12.x/23
255.255.254.0

4th octet: Client IP (Show Equipment)

10.50.12.1	First IP
10.50.12.1-100	SVI range for 100 SWITCH-IDs
10.50.12.101-254	Show Equipment (Hi-Priority)
10.50.13.1-50	Show Equipment (Lo-Priority)
10.50.13.51-100	Show Equipment (Dryhire)
10.50.13.101-150	Computer Fixed-IP
10.50.13.151-200	Reserved DHCP Range
10.50.13.201-230	Reserved Buffer (On-Site)
10.50.13.231-250	Net Service
10.50.13.251-254	RESERVED FOR EMERGENCIES
10.50.13.254	Last IP

SNMP Management Station: 10.10.250.250/16

NAT-Router/Gateway (VLAN99): 10.99.0.254/24

Rental Fleets ≤ 100 Switches | Switch-ID only

VLAN 100 IT-Management: 10.10.0.[1-100]/16 (SWITCH-ID)

OOB Management Interface: 10.11.0.[1-100]/16 (SWITCH-ID)

Rental Fleets up to 10.000 Switches | Asset-ID for Warehouse, Switch-ID for Show deployment

Warehouse State | Asset-ID active: 0101-9999 -> e.g.: 1234 -> 12|34

VLAN 100 IT-Management: 10.10.1.1 - 10.10.99.99/16 (ASSET-ID)

Show Deployment | Switch-ID active

VLAN 100 IT-Management: 10.10.0.[1-100]/16 (SWITCH-ID)

Lifecycle Address

OOB Management Interface: 10.11.1.1 - 10.11.99.99/16

SUB VLAN Standard

VLAN & USE-CASE INFORMATION

IP -Adressing

Starting from 100: Only even numbers allowed

VLAN ID	Department	Usecase	Subnet (Net-ID)	First IP	Last IP	Subnetmask Clients
1	Default		-	-	-	-
2	AVB/TSN-RESERVED		-	-	-	-
10/20...	Forbidden		Forbidden	Forbidden	Forbidden	Forbidden
99	Transfer Dirty WAN		10.99.0.0/24	10.99.0.1	10.99.0.254	255.255.255.0
SHOW START						
100	IT-Management		10.10.0.0/16	10.10.0.1	10.10.255.254	255.255.0.0
200	Power Supply		10.20.0.0/23	10.20.0.1	10.20.1.254	255.255.254.0
300	Intercom	Control	10.30.0.0/23	10.30.0.1	10.30.1.254	255.255.254.0
302	Intercom	Primary - Audio over IP (AES67 / etc.)	10.30.2.0/23	10.30.2.1	10.30.3.254	255.255.254.0
304	Intercom	Secondary - Audio over IP (AES67 / etc.)	10.30.4.0/23	10.30.4.1	10.30.5.254	255.255.254.0
400	Rigging	Control (Motor Controller/Chain Hoist)	10.40.0.0/23	10.40.0.1	10.40.1.254	255.255.254.0
402	Rigging	Safety & Load Monitoring	10.40.2.0/23	10.40.2.1	10.40.3.254	255.255.254.0
500	Light	Control (Desk-Net-1)	10.50.0.0/23	10.50.0.1	10.50.1.254	255.255.254.0
502	Light	Control (Desk-Net-2)	10.50.2.0/23	10.50.2.1	10.50.3.254	255.255.254.0
504	Light	Timecode	10.50.4.0/23	10.50.4.1	10.50.5.254	255.255.254.0
506	Light	Tracking CAM	10.50.6.0/23	10.50.6.1	10.50.7.254	255.255.254.0
508	Light	Reserve	10.50.8.0/23	10.50.8.1	10.50.9.254	255.255.254.0
510	Light	Reserve	10.50.10.0/23	10.50.10.1	10.50.11.254	255.255.254.0
512	Light	Fixture-Net (Art-Net)	10.50.12.0/23	10.50.12.1	10.50.13.254	255.255.254.0
514	Light	Fixture-Net (sACN)	10.50.14.0/23	10.50.14.1	10.50.15.254	255.255.254.0
516	Light	Fixture-Net (Sig-Net)	10.50.16.0/23	10.50.16.1	10.50.17.254	255.255.254.0
600	Audio	Control	10.60.0.0/23	10.60.0.1	10.60.1.254	255.255.254.0
602	Audio	Primary - Dante / AES67 / Ravenna	10.60.2.0/23	10.60.2.1	10.60.3.254	255.255.254.0
604	Audio	Secondary - Dante / AES67 / Ravenna	10.60.4.0/23	10.60.4.1	10.60.5.254	255.255.254.0
606	Audio	AVB/TSN-MILAN (L2 only)	-	-	-	-
608	Audio	Wireless Management	10.60.8.0/23	10.60.8.1	10.60.9.254	255.255.254.0
610	Audio	Playback	10.60.10.0/23	10.60.10.1	10.60.11.254	255.255.254.0
612	Audio	DJ-Net	10.60.12.0/23	10.60.12.1	10.60.13.254	255.255.254.0
700	Video	Control	10.70.0.0/23	10.70.0.1	10.70.1.254	255.255.254.0
702	Video	Presentation (Wireless / Confidence / Signage)	10.70.2.0/23	10.70.2.1	10.70.3.254	255.255.254.0
704	Video	Compressed (H.264 / H.265 / JPEG2000)	10.70.4.0/23	10.70.4.1	10.70.5.254	255.255.254.0
706	Video	NDI	10.70.6.0/23	10.70.6.1	10.70.7.254	255.255.254.0
708	Video	Media Server / Pixel-Mapping	10.70.8.0/23	10.70.8.1	10.70.9.254	255.255.254.0
710	Video	Primary - SMPTE-2110	10.70.10.0/23	10.70.10.1	10.70.11.254	255.255.254.0
712	Video	Secondary - SMPTE-2110	10.70.12.0/23	10.70.12.1	10.70.13.254	255.255.254.0
714	Video	PGM-OUT -> Streaming Ingest (HLS / RTMP / SRT / etc.)	10.70.14.0/23	10.70.14.1	10.70.15.254	255.255.254.0
800	SFX	Control (IP Interfaces / Remote Monitoring)	10.80.0.0/23	10.80.0.1	10.80.1.254	255.255.254.0
802	SFX	Pyro / IP Firing System	10.80.2.0/23	10.80.2.1	10.80.3.254	255.255.254.0
900	Spare		10.90.0.0/23	10.90.0.1	10.90.1.254	255.255.254.0
1000	Production	Internal (Crew / Production Office)	10.100.0.0/23	10.100.0.1	10.100.1.254	255.255.254.0
1002	Production	Ticketing	10.100.2.0/23	10.100.2.1	10.100.3.254	255.255.254.0
1004	Production	Payment	10.100.4.0/23	10.100.4.1	10.100.5.254	255.255.254.0
1006	Production	Guest Public	10.100.6.0/23	10.100.6.1	10.100.7.254	255.255.254.0
1008	Production	Press / Media	10.100.8.0/23	10.100.8.1	10.100.9.254	255.255.254.0
1010	Production	Artist / Backstage	10.100.10.0/23	10.100.10.1	10.100.11.254	255.255.254.0
1012	Production	Catering / Logistics	10.100.12.0/23	10.100.12.1	10.100.13.254	255.255.254.0
All Security VLANs are isolated by default. Access from production network to Security VLANs requires						
1100	Security	Internal (Security Desk / Control Room)	10.110.0.0/23	10.110.0.1	10.110.1.254	255.255.254.0
1102	Security	Surveillance (CCTV/IP-Cams)	10.110.2.0/23	10.110.2.1	10.110.3.254	255.255.254.0
1104	Security	Access Control (RFID/Doors)	10.110.4.0/23	10.110.4.1	10.110.5.254	255.255.254.0

