

Open Storage Network Appliance - Network & Port Maps



This section provides a detailed overview of network connectivity for every component in this storage appliance.

OSN Appliance

PDU1	PDU2	
Geist MNU3EGW1	Geist MNU3EGW1	
C19 Outlet #24	C19 Outlet #24	
C19 Outlet #23	C19 Outlet #23	
C19 Outlet #22	C19 Outlet #22	
C19 Outlet #21	C19 Outlet #21	
C19 Outlet #20	C19 Outlet #20	
C19 Outlet #19	C19 Outlet #19	
C19 Outlet #18	C19 Outlet #18	
C19 Outlet #17	C19 Outlet #17	
C19 Outlet #16	C19 Outlet #16	
C19 Outlet #15	C19 Outlet #15	
C19 Outlet #14	C19 Outlet #14	
C19 Outlet #13	C19 Outlet #13	
Upper Circuit Breaker	Upper Circuit Breaker	
Eth1 Mgmt	Eth1 Mgmt	
Eth2 Mgmt	Eth2 Mgmt	
C19 Outlet #12	C19 Outlet #12	
C19 Outlet #11	C19 Outlet #11	
C19 Outlet #10	C19 Outlet #10	
C19 Outlet #9	C19 Outlet #9	
C19 Outlet #8	C19 Outlet #8	
C19 Outlet #7	C19 Outlet #7	
C19 Outlet #6	C19 Outlet #6	
C19 Outlet #5	C19 Outlet #5	
C19 Outlet #4	C19 Outlet #4	
C19 Outlet #3	C19 Outlet #3	
C19 Outlet #2	C19 Outlet #2	
C19 Outlet #1	C19 Outlet #1	
Lower Circuit Breaker	Lower Circuit Breaker	
Reporting (IC60009 3P + L, 60A, Splashproof)	Reporting (IC60009 3P + L, 60A, Splashproof)	

Networking and Port Maps Chart

1G Ethernet Netgear M4300-28G - <i>ngb1</i>						100G Ethernet Mellanox SN2100 - <i>mlx1</i>						KVM-over-IP Raritan DLX-216 - <i>kvm1</i>					
Rack Position: U40						Rack Position: U41						Rack Position: U42					
Port	Connector	Gb	Device:Interface	Port Label	Comments	Port	Connector	Gb	Device:Interface	Port Label	Comments	Port	Connector	Type	Device:Interface	Port Label	Comments
1	RJ45	1	data01:BMC	ngb1:p1		1/1	QSFP28 Split-2	50	data01:p5p1	mlx1:p1	Cable prelabeled '1' plugs into p5p1 and '2' goes to p6p1	1	RJ45	KVM	data01:D2CIM	kvm1:p1	
2	RJ45	1	data02:BMC	ngb1:p2		1/2	QSFP28 Split-2	50	data01:p6p1	mlx1:p1		2	RJ45	KVM	data02:D2CIM	kvm1:p2	
3	RJ45	1	data03:BMC	ngb1:p3		2/1	QSFP28 Split-2	50	data02:p5p1	mlx1:p2	Cable prelabeled '1' plugs into p5p1 and '2' goes to p6p1	3	RJ45	KVM	data03:D2CIM	kvm1:p3	
4	RJ45	1	data04:BMC	ngb1:p4		2/2	QSFP28 Split-2	50	data02:p6p1	mlx1:p2		4	RJ45	KVM	data04:D2CIM	kvm1:p4	
5	RJ45	1	data05:BMC	ngb1:p5		3/1	QSFP28 Split-2	50	data03:p5p1	mlx1:p3	Cable prelabeled '1' plugs into p5p1 and '2' goes to p6p1	5	RJ45	KVM	data05:D2CIM	kvm1:p5	
6	RJ45	1				3/2	QSFP28 Split-2	50	data03:p6p1	mlx1:p3		6	RJ45	KVM			
7	RJ45	1				4/1	QSFP28 Split-2	50	data04:p5p1	mlx1:p4	Cable prelabeled '1' plugs into p5p1 and '2' goes to p6p1	7	RJ45	KVM			
8	RJ45	1				4/2	QSFP28 Split-2	50	data04:p6p1	mlx1:p4		8	RJ45	KVM			
9	RJ45	1				5/1	QSFP28 Split-2	50	data05:p5p1	mlx1:p5	Cable prelabeled '1' plugs into p5p1 and '2' goes to p6p1	9	RJ45	KVM			
10	RJ45	1				5/2	QSFP28 Split-2	50	data05:p6p1	mlx1:p5		10	RJ45	KVM			
11	RJ45	1				6	QSFP28	100				11	RJ45	KVM			
12	RJ45	1	mon01:BMC	ngb1:p12		7	QSFP28	100				12	RJ45	KVM	mon01:BMC	kvm1:p12	
13	RJ45	1	mon02:BMC	ngb1:p13		8	QSFP28	100				13	RJ45	KVM	mon02:BMC	kvm1:p13	
14	RJ45	1	mon03:BMC	ngb1:p14		9	QSFP28	100				14	RJ45	KVM	mon03:BMC	kvm1:p14	
15	RJ45	1				10	QSFP28 -> SFP+	10	ngb1:p27	mlx1:p10	M4300 Downlink	15	RJ45	KVM			
16	RJ45	1				11	QSFP28 -> SFP+	10	ngb1:p28	mlx1:p11	M4300 Downlink	16	RJ45	KVM			
17	RJ45	1				12/1	QSFP28 Split-2	50	mon01:p1p1	mlx1:p12	Cable prelabeled '1' plugs into p1p1 and '2' goes to p3p1	OOB	RJ45	1GbE	ngb1:eth21	mlx1:LAN	Management
18	RJ45	1				12/2	QSFP28 Split-2	50	mon01:p3p1	mlx1:p12		Port Usage	KVM		8/16		
19	RJ45	1				13/1	QSFP28 Split-2	50	mon02:p1p1	mlx1:p13	Cable prelabeled '1' plugs into p1p1 and '2' goes to p3p1		LAN		1/1		
20	RJ45	1	mon3:em1	ngb1:p20	OOB/Edge Node	13/2	QSFP28 Split-2	50	mon02:p3p1	mlx1:p13							
21	RJ45	1	kvm1:LAN	ngb1:p21		14/1	QSFP28 Split-2	50	mon03:p1p1	mlx1:p14	Cable prelabeled '1' plugs into p1p1 and '2' goes to p3p1						
22	RJ45	1	mlx:LAN	ngb1:p22		14/2	QSFP28 Split-2	50	mon03:p3p1	mlx1:p14							
23	RJ45	1	pdu1:LAN1	ngb1:p23		15	QSFP28 -> MPO	100	SITE FIBER	i2: 100/40/10	100GbE Transceiver						
24	RJ45	1	pdu2:LAN1	ngb1:p24		16	QSFP28 -> MPO	100	SITE FIBER	i2: 100/40/10	100GbE Transceiver						
25	RJ45	10	mon01:em1	ngb1:p25	OOB/Edge Node	console1	RJ45	10000 Baud Rate	mon02:10 0	mlx1:serial	Console MGMT						
26	RJ45	10	mon02:em1	ngb1:p26	OOB/Edge Node	console2	Mini-USB	10000 Baud Rate	mon01:USB	mlx1:USB	Console MGMT (?)						
27	SFP+	10	mlx:p10	ngb1:p27	SN100 Uplink	OOB	RJ45	1	ngb1:eth22	mlx1:LAN							
28	SFP+	10	mlx:p11	ngb1:p28	SN100 Uplink												
console1	RJ45	10000 Baud Rate	mon01:10 0	ngb1:serial	Console MGMT	Port Usage	100GbE Console	12/16									
console2	Mini-USB	10000 Baud Rate	mon02:USB	ngb1:USB	Console MGMT		OOB	2/2									
OOB	RJ45	1						1/1									
Port Usage	1GbE	13/24															
	10GbE	4/4															
	Console	2/2															
	OOB	0/1															

OOB (Commodity Internet) - <i>SITE FIBER</i>					
Port	Connector	Gb	Device:Interface	Port Label	Comments
1	RJ45	1/10	mon01:em2		CAT6 patch cables provided by site
2	RJ45	1/10	mon02:em2		
3	RJ45	1/10	mon03:em2		

F I N A L

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