

# Multi-Port Test Report

August 9, 2014 12:28 PM

Ports Tested: 48

PSE Type: 48 Port 2-Event PSE

## PD Emulation Characteristics

PD Type(s)	1+2	Type-1 and Type-2 PD's Emulated
PM Method	PHY	LLDP Never Used
System Type	PSA	Test Ports are PSA-3102

## Evaluation Categories

Nominal or Ideal Result	
Non-Ideal Feature / Design Limitation	
802.3at Specification Violation	



PSE Multiport Performance Report  
Multi-Port Suite 4.1.00  
Report Version 4.1.00

Multi-Port Test Resources	1-1	1-2	2-1	2-2	3-1	3-2	4-1	4-2	5-1	5-2	6-1	6-2	7-1	7-2	8-1	8-2	9-1	9-2	10-1	10-2	11-1	11-2	12-1	12-2	
192.168.221.107																									
192.168.221.142																									
192.168.221.141																									

mp_class admit	PD Class	Powered	Granted	Flapping	Inactive	Inactive Ports	Port Admittance Test	Flapping Ports	Ungranted Ports (LLDP)
0	48			0	0	192.168.221.107: NONE 192.168.221.142: NONE 192.168.221.141: NONE	192.168.221.107: NONE 192.168.221.142: NONE 192.168.221.141: NONE		
1	48			0	0	192.168.221.107: NONE 192.168.221.142: NONE 192.168.221.141: NONE	192.168.221.107: NONE 192.168.221.142: NONE 192.168.221.141: NONE		
2	48			0	0	192.168.221.107: NONE 192.168.221.142: NONE 192.168.221.141: NONE	192.168.221.107: NONE 192.168.221.142: NONE 192.168.221.141: NONE		
3	48			0	0	192.168.221.107: NONE 192.168.221.142: NONE 192.168.221.141: NONE	192.168.221.107: NONE 192.168.221.142: NONE 192.168.221.141: NONE		
4	48			0	0	192.168.221.107: NONE 192.168.221.142: NONE 192.168.221.141: NONE	192.168.221.107: NONE 192.168.221.142: NONE 192.168.221.141: NONE		

mp_pwrup time	PD Class	Fast_PwrUp	Slow_PwrUp	Avg_PwrUp	Fast_LLDP	Slow_LLDP	Avg_LLDP	seconds
3		1.5	43.7	23.0				seconds
4		0.9	43.1	22.5				seconds

Group Power-Up Timing Test	First Powered Port 1	Final Powered Port 1	First Powered Port 2	Final Powered Port 2	First Granted Port 1	Final Granted Port 1	First Granted Port 2	Final Granted Port 2
	192.168.221.107: 3-1	192.168.221.141: 6-2	192.168.221.107: 3-1	192.168.221.141: 6-2				

mp_discx time	Action	MPS_Low	Minimum	Maximum	Average
Shutdown	3.0 mA		323.5	327.6	325.7 msec
Recycle	0.0 mA		2.3	48.0	26.0 seconds

Group Disconnect Shutdown Timing Test	First Port Down	Final Port Down	Stuck ON Ports	Out of Service Ports
	192.168.221.142: 1-2	192.168.221.141: 1-1	NONE	NONE

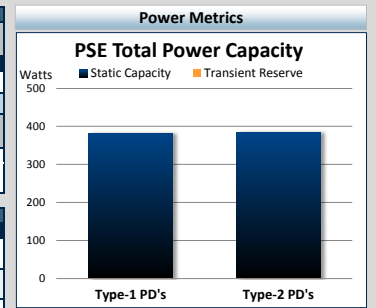
mp_static cap	Static Capacity 1	Static Capacity 2
	381.1 W	383.7 W

Static Power Capacity Test	PD Class	PD Type	Pclass_PSE	Min_PD's	Alloc_Pwr/PD
0	1		14.5 W	26	7.9 W
4	2		29.5 W	13	8.0 W

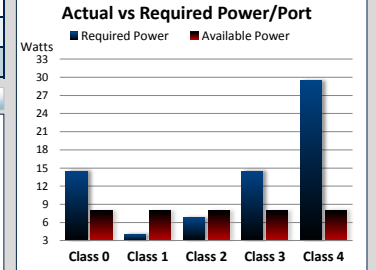
Static Cap Port Count	Static Cap Port Count 2	Out of Service Ports
31	38	NONE

mp_trans cap	PD Type	Transient/port	Reserve@Full	% Reserve	Reserve@Half
1	0.0 mA	-1.0 W	-1.0 %	-1.0 W	
2	0.0 mA	-1.0 W	-1.0 %	-1.0 W	

Transient Reserve Power Test	Out of Service Ports
192.168.221.107: 5-1 6-1 7-1 8-1	

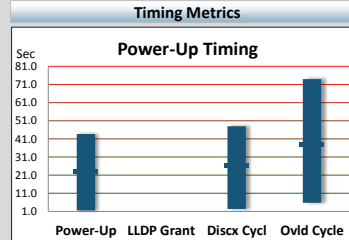


mp_port caps	PD Class	Max Pwr/port	Min Pwr/port	Avg Pwr/port	Uncertainty/port	Variation	Premature Dropped Ports
0		15.8	15.4	15.7	7.8 W	2.5 %	NONE
1		0.0	4.0	0.0	-4.0 W	0.0 %	192.168.221.107: 1-2 3-2 6-2 9-2 11-2 192.168.221.142: 1-2 3-2 5-2 192.168.221.141: 1-2 3-2 5-2
2		7.6	7.4	7.5	0.0 W	2.7 %	NONE
3		15.8	15.4	15.7	7.8 W	2.5 %	NONE
4		30.8	29.8	30.6	22.6 W	3.3 %	NONE

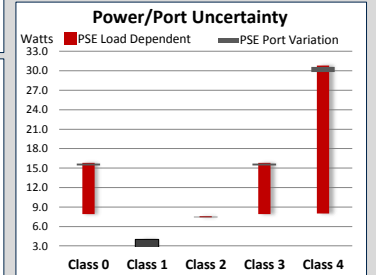


mp_overid time	Operation	Ovid_Level	Minimum	Maximum	Average
Shutdown	318 mA	7.6	17.4	17.2	msec
Recycle		5.7	74.0	37.7	seconds

Overload Shutdown and Restore Timing	First Port Down	Last Port Down	Stuck ON Ports	Out of Service Ports
	192.168.221.141: 6-2	192.168.221.107: 1-1	NONE	



mp_admit cases	Parameter	Case 1	Case 2	Case 3	Case 4	Case 5	Case 6	Case 7
Expected Ports		24	48	24	48	48	24	24
Actual Ports Powered		24	48	24	48	48	24	24



mp_cap stress	Test Conditions	Test Duration	PD Class	Actual Load Power
		2 minutes	4	365.7 watts

Multi-Port Stress Test	Dropped Power Count	Power Drop Ports	Out of Service Ports
	0	NONE	NONE

