

**Multi-Port Test Report**

August 11, 2014 10:30 PM  
 Ports Tested: 48  
 PSE Type: 48-Port LLDP PSE

**PD Emulation Characteristics**  
 PD Type(s) 1+2 Type-1 and Type-2 PD's Emulated  
 PM Method LLDAP2 LLDAP Used for Type-2 Only  
 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	
1 192.168.221.107																									
2 192.168.221.142																									
3 192.168.221.141																									

mp class admit				Port Admittance Test																						
PD Class	Powered	Granted	Flapping	Inactive	Inactive Ports										Flapping Ports					Ungranted Ports (LLDP)						
0	29		0	19	192.168.221.107: NONE 192.168.221.142: 3-2 4-1 4-2 5-1 5-2 6-1 6-2 192.168.221.141: 1-1 1-2 2-1 2-2 3-1 3-2 4-1 4-2 5-1 5-2 6-1 6-2										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	29		0	19	192.168.221.107: NONE 192.168.221.142: 3-2 4-1 4-2 5-1 5-2 6-1 6-2 192.168.221.141: 1-1 1-2 2-1 2-2 3-1 3-2 4-1 4-2 5-1 5-2 6-1 6-2										192.168.221.107: NONE 192.168.221.142: NONE 192.168.221.141: NONE											
4	15	15	0	33	192.168.221.107: 8-2 9-1 9-2 10-1 10-2 11-1 11-2 12-1 12-2 192.168.221.142: 1-1 1-2 2-1 2-2 3-1 3-2 4-1 4-2 5-1 5-2 6-1 6-2										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						
Grant Instability:				8 ports				<b>WARNING! Class 4 LLDP grants are INCONSISTENT!</b>																		

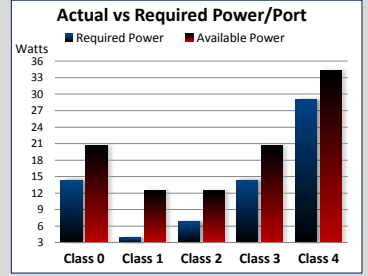
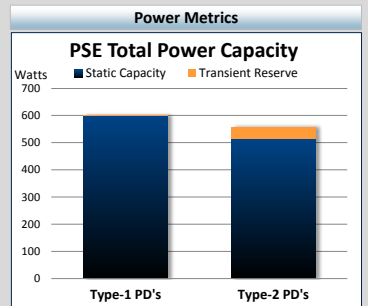
mp pwrup time				Group Power-Up Timing Test									
PD Class	Fast_PwrUp	Slow_PwrUp	Avg_PwrUp	Fast_LLDP	Slow_LLDP	Avg_LLDP							
2	0.8	2.1	1.7					seconds					
4	1.0	1.5	1.2	8.2	8.7	8.4		seconds					
First Powered Port 1				192.168.221.142: 2-2				Unpowered Ports 1			NONE		
Final Powered Port 1				192.168.221.107: 5-2				Unpowered Ports 2			NONE		
First Powered Port 2				192.168.221.107: 5-1				Unpowered Ports 2			NONE		
Final Powered Port 2				192.168.221.107: 2-1				Unpowered Ports 2			NONE		
First Granted Port 1								Ungranted Ports 1					
Final Granted Port 1								Ungranted Ports 1					
First Granted Port 2				192.168.221.107: 5-1				Ungranted Ports 2			NONE		
Final Granted Port 2				192.168.221.107: 2-1				Ungranted Ports 2			NONE		

mp discx time		Group Disconnect Shutdown Timing Test				
Action	MPS Lev	Minimum	Maximum	Average		
Shutdown	3.0 mA	336.9	363.0	352.4	msec	
Recycle	0.0 mA	4.0	5.7	4.7	seconds	
First Port Down		192.168.221.107: 4-1				
Final Port Down		192.168.221.141: 6-2				
Stuck ON Ports		NONE				
Out of Service Ports		NONE				

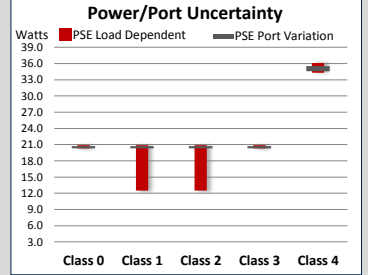
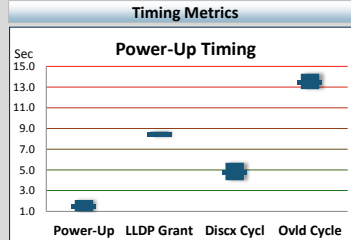
mp static cap				Static Power Capacity Test			
Static Capacity 1:		598.5 W		Under-Alloc. Pwr. 1		171.0 W	
Static Capacity 2:		514.1 W		Under-Alloc. Pwr. 2		58.0 W	
PD Class	PD Type	Pclass_PSE	Min_PD's	Alloc_Pwr/PD			
0	1	14.3 W	41	20.6 W			
4	2	29.0 W	17	34.3 W			
Static Cap Port Count 1		29					
Static Cap Port Count 2		15					
Out of Service Ports:		NONE					

mp trans cap				Transient Reserve Power Test			
PD Type	Transient/port	Reserve@Full	%_Reserve	Reserve@Half			
1	399.0 mA	1.1 W	44.6 %	336.4 W			
2	682.0 mA	43.1 W	28.1 %	301.5 W			
Out of Service Ports:		NONE					

mp port caps								Static Power Uncertainty Test			
PD Class	Max Pwr/port	Min Pwr/port	Avg Pwr/port	Uncertainty/port	Variation	Premature Dropped Ports					
0	20.9	20.3	20.7	0.1 W	2.9 %	NONE					
1	20.9	20.3	20.7	8.2 W	2.9 %	NONE					
2	20.9	20.3	20.7	8.2 W	2.9 %	NONE					
3	20.9	20.3	20.7	0.1 W	2.9 %	NONE					
4	36.1	34.6	35.5	1.2 W	4.2 %	NONE					



mp overid time					Overload Shutdown and Restore Timing			
Operation	Ovid_Level	Minimum	Maximum	Average				
Shutdown	397 mA	56.8	61.7	59.5	msec			
Recycle		12.8	14.3	13.4	seconds			
First Port Down:		192.168.221.107: 3-1						
Last Port Down:		192.168.221.141: 6-2						
Stuck ON Ports		NONE						
Out of Service Ports		NONE						



mp admit cases								Multi-Port Power-Up Port Groups									
Parameter	Case 1	Case 2	Case 3	Case 4	Case 5	Case 6	Case 7										
Expected Ports	24	29	24	29	15	24	15										
Actual Ports Powered	24	29	15	25	6	3	13										

mp cap stress				Multi-Port Stress Test		
Test Conditions	Test Duration	PD Class	Actual Load Power			
Dropped Power Count:	2 minutes	0	571 watts			
Power Drop Ports	NONE					
Out of Service Ports	NONE					

