

**Multi-Port Test Report**

August 9, 2014 10:07 PM  
 Ports Tested: 24  
 PSE Type: 24-Port LLDP PSE

**PD Emulation Characteristics**  
 PD Type(s): 1+2 Type-1 and Type-2 PD's Emulated  
 PM Method: LLDP2 LLDP 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
192.168.221.103																								

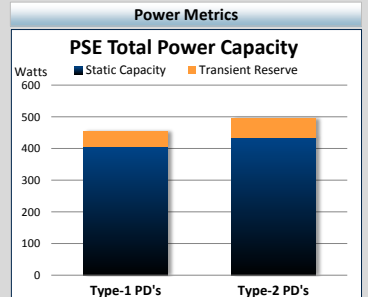
mp class admit					Port Admittance Test																											
PD Class	Powered	Granted	Flapping	Inactive	Inactive Ports									Flapping Ports									Ungranted Ports (LLDP)									
0	24			0	0	192.168.221.103: NONE									192.168.221.103: NONE																	
1	24			0	0	192.168.221.103: NONE									192.168.221.103: NONE																	
2	24			0	0	192.168.221.103: NONE									192.168.221.103: NONE																	
3	24			0	0	192.168.221.103: NONE									192.168.221.103: NONE																	
4	14	14	3	10	192.168.221.103: 8-1 8-2 9-1 9-2 10-1 10-2 11-1 11-2 12-1 12-2									192.168.221.103: 8-1 8-2 9-1									192.168.221.103: NONE									

mp pwrup time								Group Power-Up Timing Test							
PD Class	Fast_PwrUp	Slow_PwrUp	Avg_PwrUp	Fast_LLDP	Slow_LLDP	Avg_LLDP		Fast_LLDP	Slow_LLDP	Avg_LLDP					
3	1.3	4.5	2.2								seconds				
4	1.0	2.8	1.8	11.5	25.6	15.8	seconds								

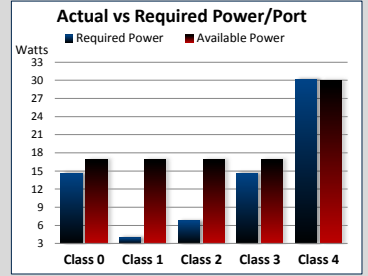
mp discx time						Group Disconnect Shutdown Timing Test					
Action	MIPS_Low	Minimum	Maximum	Average		Action	MIPS_Low	Minimum	Maximum	Average	
Shutdown	3.0 mA	366.9	375.2	370.7	msec	Shutdown	3.0 mA	366.9	375.2	370.7	msec
Recycle	0.0 mA	2.7	5.7	3.5	seconds	Recycle	0.0 mA	2.7	5.7	3.5	seconds

mp static cap						Static Power Capacity Test					
PD Class	PD Type	Pclass_PSE	Min_PD's	Alloc_Pwr/PD		Static Capacity 1	Under-Alloc. Pwr. 1	Static Capacity 2	Under-Alloc. Pwr. 2		
0	1	14.6 W	24	16.9 W		406.5 W	0.0 W	433.0 W	0.0 W		
4	2	30.2 W	14	30.0 W							

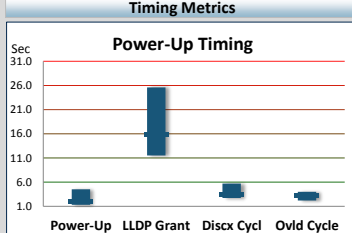
mp trans cap					Transient Reserve Power Test				
PD Type	Transient/port	Reserve@Full	% Reserve	Reserve@Half	Out_of_Service_Ports:				
1	356.0 mA	47.5 W	24.4 %	242.4 W	NONE				
2	697.3 mA	61.6 W	17.0 %	271.6 W	NONE				



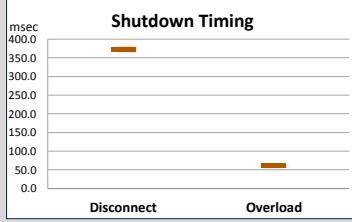
mp port caps											Static Power Uncertainty Test						
PD Class	Max_Pwr/port	Min_Pwr/port	Avg_Pwr/port	Uncertainty/port	Variation	Premature Dropped Ports					PD Class	Max_Pwr/port	Min_Pwr/port	Avg_Pwr/port	Uncertainty/port	Variation	Premature Dropped Ports
0	18.0	16.8	17.4	1.2	W 6.9 %	NONE					0	14.6 W	24	16.9 W			
1	6.1	5.0	6.0	0.0	W 18.3 %	NONE					4	32.7	26.2	32.7	6.5	W 19.9 %	192.168.221.103: 3-1



mp overid time					Overload Shutdown and Restore Timing				
Operation	Ovid_Level	Minimum	Maximum	Average	Operation	Ovid_Level	Minimum	Maximum	Average
Shutdown	369 mA	60.6	62.9	62.0	Shutdown	369 mA	60.6	62.9	62.0
Recycle		2.2	4.0	3.2	Recycle		2.2	4.0	3.2



mp admit cases								Multi-Port Power-Up Port Groups						
Parameter	Case 1	Case 2	Case 3	Case 4	Case 5	Case 6	Case 7	Case 1	Case 2	Case 3	Case 4	Case 5	Case 6	Case 7
Expected Ports	12	24	12	24	14	12	12	12	24	12	24	14	12	12
Actual Ports Powered	12	24	12	24	13	12	12	12	24	12	24	13	12	12



mp cap stress				Multi-Port Stress Test		
Test Conditions	Test Duration	PD Class	Actual Load Power	Test Conditions	Test Duration	PD Class
Dropped Power Count:	2 minutes	0	366.8 watts	Dropped Power Count:	2 minutes	0
Power Drop Ports:				Power Drop Ports:		
Out_of_Service_Ports:				Out_of_Service_Ports:		

