

Multi-Port Test Report

August 12, 2014 11:11 AM
 Ports Tested: 48
 PSE Type: Cisco3560 0

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 PSL Test Ports are PSL-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	PD Class	Powered	Granted	Flapping	Inactive	Inactive Ports	Port Admittance Test	Flapping Ports	Ungranted Ports (LLDP)
0	29			0	19	192.168.221.107: NONE 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 6-2 192.168.221.141: 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	16	15		0	32	192.168.221.107: 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 6-2 192.168.221.141: 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	192.168.221.107: 8-2 192.168.221.142: NONE 192.168.221.141: NONE	

Grant Instability: 9 ports **WARNING! Class 4 LLDP grants are INCONSISTENT!**

mp pwrup time	PD Class	Fast PwrUp	Slow PwrUp	Avg PwrUp	Fast LLDP	Slow LLDP	Avg LLDP	seconds
2		1.1	1.9	1.6				
4		1.2	1.7	1.4	8.4	8.9	8.6	

Group Power-Up Timing Test

First Powered Port	192.168.221.107: 1-1	Unpowered Ports 1	NONE
Final Powered Port 1	192.168.221.107: 3-2	Unpowered Ports 2	NONE
First Powered Port 2	192.168.221.107: 1-2	Unpowered Ports 1	NONE
Final Powered Port 2	192.168.221.107: 3-2	Unpowered Ports 2	NONE
First Granted Port 1		Ungranted Ports 1	
Final Granted Port 1		Ungranted Ports 2	
First Granted Port 2	192.168.221.107: 1-2	Ungranted Ports 1	NONE
Final Granted Port 2	192.168.221.107: 3-2	Ungranted Ports 2	NONE

mp discx time	Action	MPS Lev	Min Range	Max Range	Average
Shutdown	3.0 mA		500.0	500.0	N/A msec
Recycle	0.0 mA		15.0	15.0	N/A seconds

Group Disconnect Shutdown Timing Test

First Port Down	N/A
Final Port Down	N/A
Stuck ON Ports	NONE
Out of Service Ports	NONE

mp static cap	Static Capacity 1	619.1 W	Under-Alloc. Pwr. 1	200.0 W
Static Capacity 2	528.3 W	Under-Alloc. Pwr. 2	87.0 W	

Static Power Capacity Test

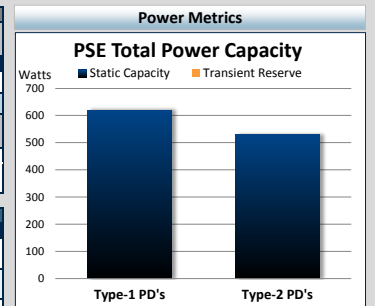
PD Class	PD Type	Pclass_PSE	Min PD's	Alloc_Pwr/PD
0	1	14.3 W	43	21.3 W
4	2	29.0 W	18	34.3 W

Static Cap Port Count 1: 30
 Static Cap Port Count 2: 16
 Out of Service Ports: NONE

mp trans cap	PD Type	Transient/port	Reserve@Full	% Reserve	Reserve@Half
1	mA		W	%	W
2	mA		W	%	W

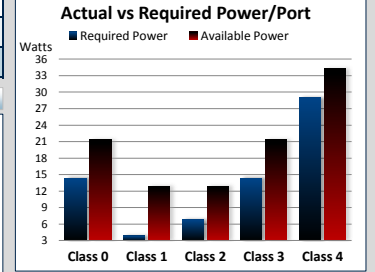
Transient Reserve Test Not Available to PSL-3000

Out of Service Ports: NONE



mp port caps	PD Class	Max Pwr/port	Min Pwr/port	Avg Pwr/port	Uncertainty/port	Variation	Premature Dropped Ports
0		21.2	20.3	20.7	0.0 W	4.3 % NONE	
1		21.2	20.3	20.7	7.8 W	4.3 % NONE	
2		21.2	20.3	20.7	7.8 W	4.3 % NONE	
3		21.2	20.3	20.7	0.0 W	4.3 % NONE	
4		36.2	34.6	35.5	1.2 W	4.5 % NONE	

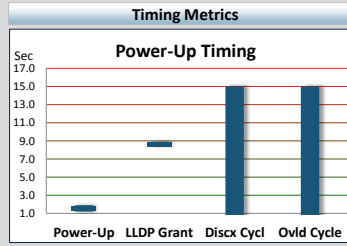
Static Power Uncertainty Test



mp overid time	Operation	Ovid_Level	Min_Range	Max_Range	Average
Shutdown	403 mA		500.0	500.0	N/A msec
Recycle			15.0	15.0	N/A seconds

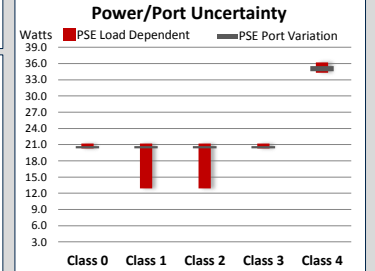
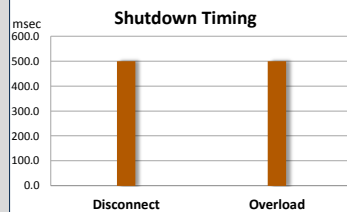
Overload Shutdown and Restore Timing

First Port Down: N/A
 Last Port Down: N/A
 Stuck ON Ports: NONE
 Out of Service Ports: NONE



mp admit cases	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

Multi-Port Power-Up Port Groups



mp cap stress	Test Conditions	Test Duration	PD Class	Actual Load Power
Dropped Power Count:	0	2 minutes	0	591.3 watts
Power Drop Ports	NONE			
Out of Service Ports	NONE			

Multi-Port Stress Test