

Multiport Test Report

February 19 2009 6:17 PM
 Ports Tested: 8
 PSE Type: Sample C1 (8 Port)

PD Emulation Utilized
 PD Class 2
 PD Class Current 18.5 mA

PSA Type: PSA 3000
 System: Type-1



PSE Multiport Performance Report
 Multi-Port Suite 3.3.0
 Report Version 3.3

PSA's Utilized	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
192.168.221.106																								

Power-Up Tests

mp_pwrup_ports	Port Power-Up Statistics
Detection Signature	Mid-Range
Active Port Count	8
Inactive Port Count	0
Intermittent Port Count	0
Inactive Ports	192.168.221.106: None
Intermittent Ports	192.168.221.106: None

mp_pwrup_time	Port Power-Up Timing
Detection Signature	Mid-Range
Total Time to Power	0.4 Sec
Average Time to Power	0.4 Sec
First Port Powered	0.3 Sec
Inactive Ports	192.168.221.106: None

Capacity Tests

mp_cap_ports	Power Capacity by Port Addition
Active Port Count	8
Total PSE Power	124 Watts
Average Port Voltage	47.8 Volts
Low Power Ports	192.168.221.106: None
Inactive Ports	192.168.221.106: None

mp_cap_pwr	Power Capacity by Power Addition
Active Port Count	8
Total PSE Power	133.3 Watts
Average Port Voltage	47.6 Volts
Max Power Active Ports	8
First Shutdown Port	192.168.221.106: Port 9-2
Inactive Ports	192.168.221.106: None

Stress Tests

mp_dur_static	PSE Power Stress - Static Load
Test Time	2 Minutes 0.03 Hours
Active Port Count	8
Total PSE Power	120 Watts
Shutdown Event Count	0
Shutdown Ports	192.168.221.106: None
Inactive Ports	192.168.221.106: None

mp_dur_cycle	PSE Power Stress - Variable Load
Test Time	2 Minutes 0.03 Hours
Active Port Count	8
Total PSE Power	120 Watts
Shutdown Event Count	0
Shutdown Ports	192.168.221.106: None
Inactive Ports	192.168.221.106: None

Isolation Tests

mp_iso_1port	Port Voltage Isolation: 1 Port Load	PD Class: 2 (18.5 mA)
Transient Load Current	400 mA	
Transient Load Duration	45 msec	
Average Transient Vpp	0.29 Volts	
Max Transient Vpp	0.3 Volts	
Max Coupling Sites	192.168.221.106: 9-1 TO 192.168.221.106: 12-2	
Inactive Ports	192.168.221.106: None	

mp_iso_nport	Port Voltage Isolation: N-1 Port Load	PD Class: 2 (18.5 mA)
Transient Load Current	347 mA	
Transient Load Duration	45 msec	
Average Transient Vpp	0.94 Volts	
Max Transient Vpp	1 Volts	
Max Coupling Site	192.168.221.106: 10-2	
Inactive Ports	192.168.221.106: None	

Disconnect Power-Down Tests

mp_discx_ports	Port Power-Down Statistics	PD Class: 2 (18.5 mA)
Disconnect Current Level	1 mA	
Stuck Powered Count	0	
Intermittent Powered Count	0	
Powered Ports	192.168.221.106: None	
Intermittent Ports	192.168.221.106: None	
Inactive Ports	192.168.221.106: None	

mp_discx_time	Disconnect Power-Down Timing	PD Class: 2 (18.5 mA)
Disconnect Current Level	0 mA	
Total Power-Down Time	383 msec	
Avg. Power-Down Time	381 msec	
First Power-Down Time	380 msec	
Powered Ports	192.168.221.106: None	
Last Port Down	192.168.221.106: 10-1	
First Port Down	192.168.221.106: 12-1	
Inactive Ports	192.168.221.106: None	

mp_discx_cycle	Disconnect & Re-Power Timing	PD Class: 2 (18.5 mA)
Disconnect Current Level	0 mA	
Total Re-Power Time	0.7 Sec	
Avg. Re-Power Time	0.7 Sec	
Min. Re-Power Time	0.7 Sec	
Last Port Powered	192.168.221.106: 10-1	
Never Recycled Ports	192.168.221.106: None	
Inactive Ports	192.168.221.106: None	

mp_discx_idp	Disconnect Power-Down Independence	PD Class: 2 (18.5 mA)
Disconnect Current Level	0 mA	
Coupled Port Count	0	
Inactive Ports	192.168.221.106: None	
Coupled Ports	None	

Overload Power-Down Tests

mp_overld_time	Overload Power Down Timing
Overload Current Level	175 mA
Total Power-Down Time	0 msec
Avg. Power-Down Time	0 msec
First Power-Down Time	10000 msec
Powered Ports	192.168.221.106: 9-1 9-2 10-1 10-2 11-1 11-2 12-1 12-2
Last Port Down	
First Port Down	
Inactive Ports	192.168.221.106: None

mp_overld_cycle	Port Overload and Re-Power Timing
Overload Current Level	N/A mA
Total Re-Power Time	N/A Sec
Avg. Re-Power Time	N/A Sec
Min. Re-Power Time	N/A Sec
Last Port Powered	N/A
Never Recycled Ports	N/A
Inactive Ports	N/A

PSE Fails To Power Down Any Ports With Icut= 175 mA.
Test Error! See Error Log.

mp_overld_idp	Overload Power Down Independence
Overload Current Level	175 mA
Coupled Port Count	0
Inactive Ports	192.168.221.106: None
Coupled Ports	None

mp_pwrup_idp	PSE Port Power-Up Independence
Detection Signature	Mid-Range
Coupled Port Count	0
Inactive Ports	192.168.221.106: None
Coupled Ports	None