



**IEEE 802.3af-compliant
Powered Device
PowerDsine's
Compatibility Report**



ChipPC JackPC
June 30, 2006

1. Vendor Details

This section is to be filled by the PD vendor.

PD Details	
Vendor Name:	ChipPC
Website address:	http://www.chippc.com/
Model name:	JackPC
PD type:	Thin client
Description:	
Part Number:	EFI 6800
Serial Number:	
Date:	June 30, 2006
Tested by:	Pavlick Rimboim

2. Test Setup

The compatibility test setup includes several items described hereafter. All these items are tested with the following configurations:

1. **Midspan** – PD is connected to the output of PowerDsine’s Midspans series (figure 1-a).
2. **PoE Enabled Switch** –PD is connected to the output of a PoE switch, based on PowerDsine’s integrated solutions (figure 1-b).

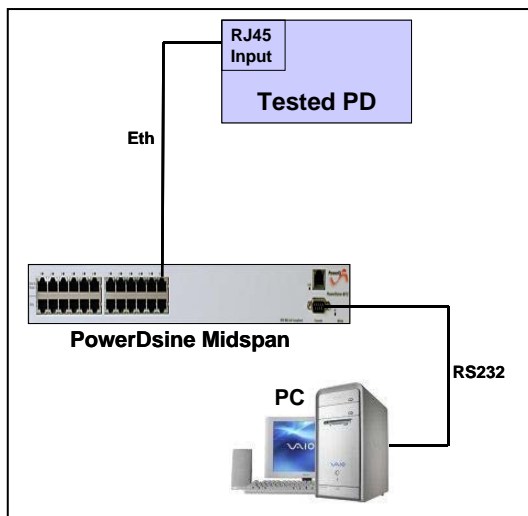


Figure 1-a – Midspan test setup

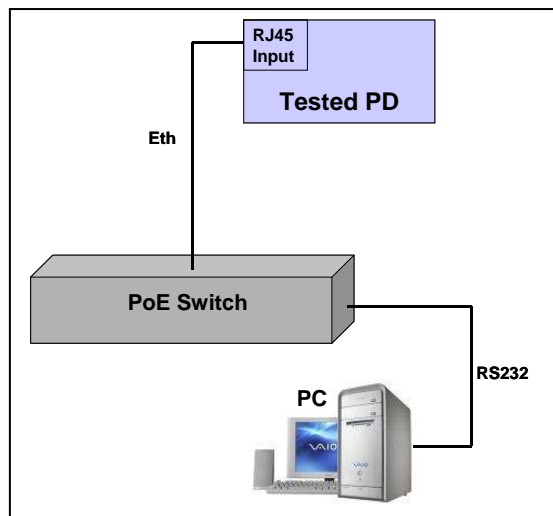


Figure 1-b – PoE switch test setup

International Headquarters

PowerDsine Ltd.
 1 Hanagar St.
 P.O.Box 7220
 Hod Hasharon 45421
 Israel
 Tel: +972 9 7755100
 Fax: +972 9 7755111
 sales@powerdsine.com

North America

PowerDsine Inc.
 290 BroadHollow Road
 Suite 305E
 Melville, NY 11747
 Tel: +1 631 756 4680
 Fax: +1 631 756 4691
 sales@powerdsineusa.com

Europe

PowerDsine UK
 Lakeside House
 1 Furzeground Way
 Stockley Park, Uxbridge
 UB11 1BD, United Kingdom
 Tel: +44 (0) 208 622 3107
 Fax: +44 (0) 208 622 3200
 uk@powerdsine.com



3. PD Characteristics Tests

Using the above setups, the PD's PoE characteristics are analyzed:

Test Item	Feature	Comments
PD Signature	802.3af	
PD Power Input	Data / Spare	
Voltage Polarity	Insensitive	
Power Class	0	*See Table 1
Power consumption	3.6W	*Measured w/o load
Splitter	None	

Class	PD Power (W)
0	0.44 -12.95
1	0.44 - 3.84
2	3.84 - 6.49
3	6.49 -12.95
4	Future use

Table 1 – Power Classes

4. Pass/Fail Tests

The following tests are performed using both PowerDsine's midspan and a PoE switch (PowerDsine inside).

Test Item	PD-Midspan	PoE Switch	Comments
On/Off test (1m cable)	Pass	Pass	
On/Off test (100m cable)	Pass	Pass	

5. Power Source Boundaries

The following measurement is done using midspan with an external variable power supply:

Max operating voltage	85V
Min operating voltage	33V

6. Summary and Conclusions

The PD passed all tests and is compatible with both PowerDsine's Midspan and PoE switch, based on PowerDsine's integrated solutions.

The PD works with Resistor Detection, according to IEEE 802.3af standard.

International Headquarters

PowerDsine Ltd.
1 Hanagar St.
P.O.Box 7220
Hod Hasharon 45421
Israel
Tel: +972 9 7755100
Fax: +972 9 7755111
sales@powerdsine.com

North America

PowerDsine Inc.
290 BroadHollow Road
Suite 305E
Melville, NY 11747
Tel: +1 631 756 4680
Fax: +1 631 756 4691
sales@powerdsineusa.com

Europe

PowerDsine UK
Lakeside House
1 Furzeground Way
Stockley Park, Uxbridge
UB11 1BD, United Kingdom
Tel: +44 (0) 208 622 3107
Fax: +44 (0) 208 622 3200
uk@powerdsine.com



Validity of the above tests is based on the presumption that the PD is IEEE 802.3af compliant, as declared by its vendor.

This document contains confidential information that is proprietary to PowerDsine, and its disclosure is prohibited by applicable law. If you and/or your company have executed a Non-Disclosure Agreement with PowerDsine, these materials and the information contained therein are covered by this agreement, and under its terms, may not be disclosed or used and must be protected.

No part of this document may be reproduced or distributed in any form and by any means, or stored in a database or retrieval system, without the prior written approval of PowerDsine.

© 2004 PowerDsine Ltd.

All rights reserved.

For more information, please contact PowerDsine technical support:

E-mail: Customer.Care@PowerDsine.com

Tel: +972-9-7755123

PowerDsine is a registered trademark of PowerDsine LTD.

All other products or trademarks are property of their respective owners.

International Headquarters

PowerDsine Ltd.
1 Hanagar St.
P.O.Box 7220
Hod Hasharon 45421
Israel
Tel: +972 9 7755100
Fax: +972 9 7755111
sales@powersine.com

North America

PowerDsine Inc.
290 BroadHollow Road
Suite 305E
Melville, NY 11747
Tel: +1 631 756 4680
Fax: +1 631 756 4691
sales@powersineusa.com

Europe

PowerDsine UK
Lakeside House
1 Furzeground Way
Stockley Park, Uxbridge
UB11 1BD, United Kingdom
Tel: +44 (0) 208 622 3107
Fax: +44 (0) 208 622 3200
uk@powersine.com

www.powersine.com