



聯傑國際股份有限公司(DAVICOM Semiconductor, Inc.)

DAVICOM DM9000A Performance Report

for SIGMA DESIGNS EM8511 Platform

- Test Environment

Device 1. :

Main-chip : **EM8511**
LAN chip : DM9000A E6
O.S. : 2.4.17-uc0 (uClinux)
LAN driver version : version: 3.01
IP : 192.168.11.111

Device 2. PC

Hp Compaq d330 uT
CPU : Pentium 4 2.80GHz
RAM : 512MB
LAN chip : Broadcom NetXtreme Gigabit Ethernet
O.S. : Microsoft Windows XP Professional version 2002
IP : 192.168.11.100

Device 3. PCI FX-035A switch hub

- TCP Packets Performance

Server : #iperf -s -w \$IP -w \$TCP_WINDOW_SIZE

Client : #iperf -c -t 60

Unite : Mbits/sec

TCP_WINDOW_SIZE	1K	2K	4K	8K	16K
Times					
1	15.9	25.1	30.6	41.9	49.0
2	16.0	25.2	30.4	41.9	49.1
3	15.6	25.3	30.4	41.4	49.0
4	15.8	24.8	30.6	41.5	49.0
5	15.8	24.9	30.5	41.0	48.9
Average	15.82	25.06	30.5	41.54	49.0