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WIZnet

WIZ100SR

Temperature Test Report

Report No.	WIZQA-0801-001
Release Date	October 26, 2009
Test Model	WIZ100SR (Serial to Ethernet Gateway Module) - F/W : V3.9 - H/W : V1.0
Test Item	-30℃ ~ 80℃ High and Low Temperature Cyclic Test
Testing Equipment	- Constant Temp. & Humid Chamber - Compaq Presario B1800 - UTP Cable, Serial to USB Cable
Tester	Roy Yeo

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1. Test Purpose

To ensure the performance and operation of WIZ100SR in the low and high temperature environment.

2. Test Configuration

## 1) System Configuration

RS-232

Ethernet

Temperature Chamber
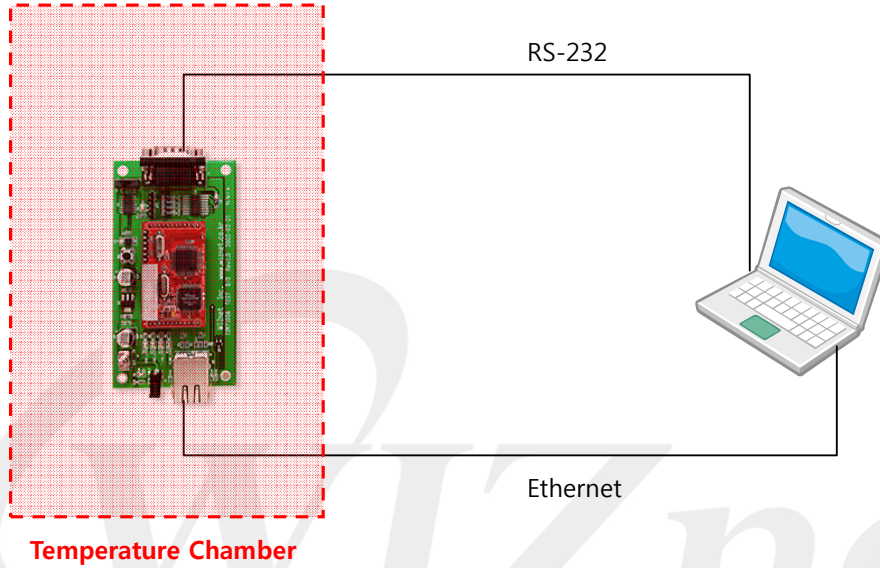
2) Test Device & Tool

Hardware

	WIZ100SR EVB (Serial to Ethernet Gateway Module)
	PC (Laptop Computer)

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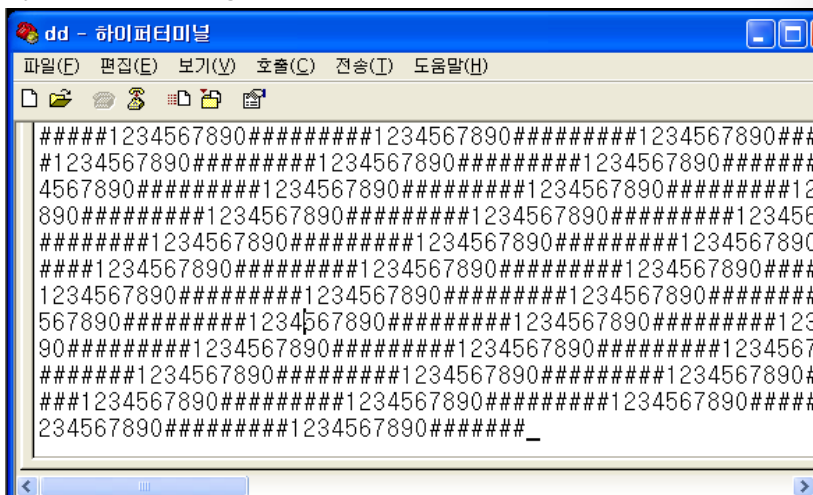www.ewiznet.com
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	Cables (RS232 Cable and Ethernet LAN Cable)
	Power Adaptor for WIZ100SR (5V, 2A)

Software

- Serial Terminal Program (Terminal V 1.9b) : To send serial data from PC to WIZ100SR
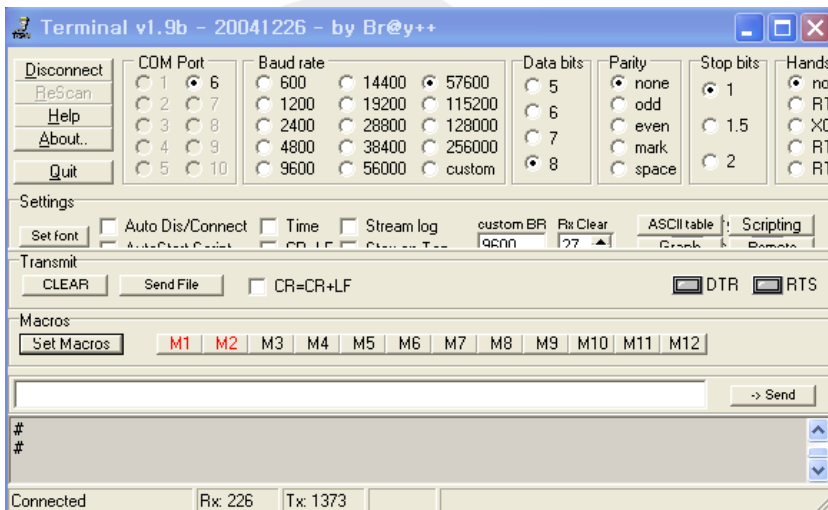
- Hyper Terminal Program : To receive the serial data from WIZ100SR to PC

- Auto Screen Capture 2

Test Equipment

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- Chamber Name : DAI SUNG ENGINEERING CO. TEMP. & HUMID CHAMBER

3) Test Condition

- Test Date : 2009-Oct.-19 14:00 ~ 2009-10-22 19:00 (84 Hours)
- Test Quantity : 1 sets

3. Test Method

Between -30℃ and 80℃, transmit the data from Serial to Ethernet. Observe the packet transmitting status.
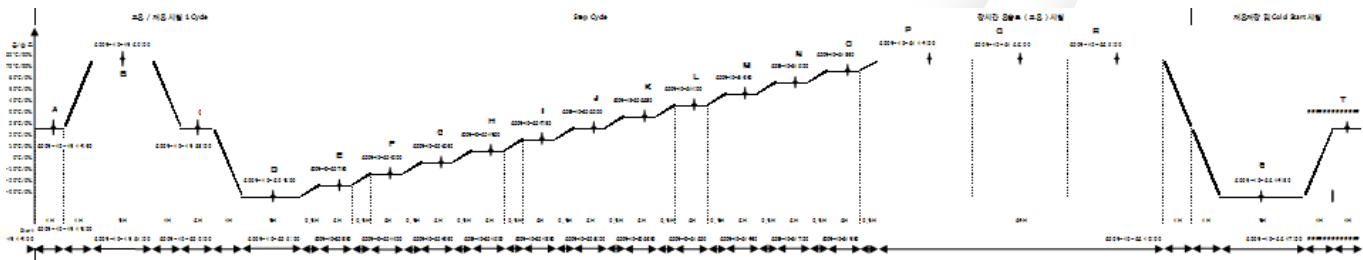
1. Send serial data from Terminal Program to WIZ100SR and receive them from WIZ100SR to Hyper Terminal.
2. Capture the data transmission status every one minute by using Auto Screen Capture Program.

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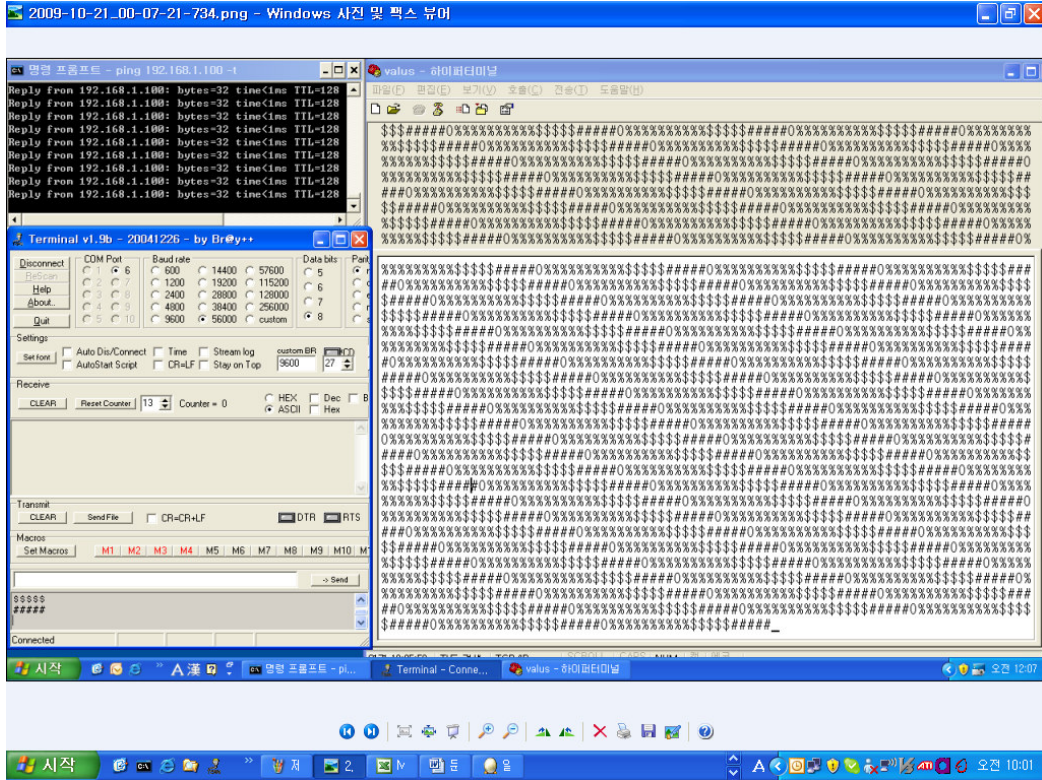
4. Test Result

The test was passed as there was no packet loss or no error during testing.

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Humidity	Temperature	Time	Pass/Fail
	25	1h	Pass
	25 ->80	1h	Pass
	80	5h	Pass
	80 ->25	1h	Pass
	25	2h	Pass
	25 ->-30	1h	Pass
	-30	5h	Pass
	-30 ->-20	0.5h	Pass
	-20	2h	Pass
	-20 ->-10	0.5h	Pass
	-10	2h	Pass
	-10 ->0	0.5h	Pass
	0	2h	Pass
	0->10	0.5h	Pass
	10	2h	Pass
	10->20	0.5h	Pass
	20	2h	Pass
90%	20->25	0.5h	Pass
	25	2h	Pass
	25->30	0.5h	Pass
	30	2h	Pass
	30->40	0.5h	Pass
	40	2h	Pass
	40->50	0.5h	Pass
	50	2h	Pass
	50->60	0.5h	Pass
	60	2h	Pass
	60->70	0.5h	Pass
	70	2h	Pass
	70->80	0.5h	Pass
	80	24h	Pass
	80->-30	2h	Pass
	-30	5h	Pass
	-30->25	1h	Pass
	25	1h	Pass