#### **Software Release Note**

ELEASE DATE: 13-Aug-2010 FIRMWARE VERSION: V1.00 KERNEL VERION: V1.04

### FIRMWARE CHANGES AND ENHANCEMENTS:

N/A

**MODIFICATIONS:** Note!! The following Known Issues have been fixed in this release of firmware.

Fixed Telnet unstable via SSH.

#### **KNOWN RESTRICTIONS AND LIMITATIONS:**

N/A

## **KNOWN ISSUES:**

Note! The following Known Issues will fix in the further release of firmware.

N/A

**TELEASE DATE:** 2-Aug-2010

FIRMWARE VERSION: V1.00 KERNEL VERION: V1.03

### FIRMWARE CHANGES AND ENHANCEMENTS:

N/A

**MODIFICATIONS:** Note!! The following Known Issues have been fixed in this release of firmware.

Add SSL and SSH function.

## KNOWN RESTRICTIONS AND LIMITATIONS:

N/A

### **KNOWN ISSUES:**

Note! The following Known Issues will fix in the further release of firmware.

Sometimes, SSH function would make DUT hang. We will tune another version for TN.

# Putty User configuration Guide

Before using SSH, you have to set the three parts of Putty configuration and use telnet which via localhost to connect to the SSH server. These steps are such as following:

- 1. Session
  - Host Name : Enter the host name / IP address of the SSH server. The port number is used by the SSH server to listen for incoming connection requests. In SSH, this will be Port 22, unless the SSH server has be specifically configured to listen on a different port.
  - Connection type : Always select SSH.

😵 PuTTY Configuration				
Category:				
🖃 Session 🔼	Basic options for your PuTTY session			
Logging	Specify the destination you want to connect to			
□ Terminal	Host Name (or IP address) Port			
- Keyboard	192.168.16.1 22			
Eesturee	Connection type:			
	Baw Telnet Blogin SSH Serial			
Appearance	OTTIL OTTIL OTTIL OTTIL			
Behaviour	Load, save or delete a stored session			
- Translation 📃	Sav <u>e</u> d Sessions			
Selection	192.168.16.1			
Colours	Default Settings			
Provu	Save			
Telnet	Delete			
Blogin				
⊜- SSH				
Kex 💻	Close window on exit:			
Auth	🔿 Always 🔿 Never 💿 Only on clean exit			
About	<u>O</u> pen <u>C</u> ancel			

### 2. Connection->SSH

• Because the SSH server does not support shells or pty sessions, you MUST always check the box that says

### "Don't start a shell or command at all.

- Preferred SSH protocol version: Leave the default with version 2 is selected. The SSH server does not support the Version 1 SSH protocol.
- Encryption cipher selection policy: Nothing needs to be done here. However the SSH server only supports AES and 3DES encryption

🔀 PuTTY Configuration					
Category:					
🖃 Session 🛛 🔼	Options controlling SSH connections				
Logging	Data to send to the server				
Terminal     Kauhaand	Remote command:				
Reyboard					
Features					
⊜- Window	Protocol options				
Appearance	Don't start a shell or command at all				
Behaviour	Enable compression				
Translation	Preferred SSH protocol version:				
Colours					
	Encryption options				
Data	Encryption cipher selection policy:				
Proxy	AES (SSH-2 only)				
Telnet	3DES				
- Riogin	warn below here Down				
Kex	Arcfour (SSH-2 only)				
Auth	Enable legacy use of single-DES in SSH-2				
- TTY					
X11 💟					
About	<u>D</u> pen <u>C</u> ancel				

### 3. Connection-> SSH-> Tunnels

- You MUST always check the box that says "Local ports accept connections from other hosts".
- You have to add new forwarded port to connect to the SSH server and set the type to "Local".

😵 PuTTY Configuration	<u>.</u>
Category:	
Keyboard Bell Features Window Appearance Behaviour Translation	Options controlling SSH port forwarding  Port forwarding  Cocal ports accept connections from other hosts  Remote ports do the same (SSH-2 only) Forwarded ports: <u>Remove</u>
Selection Colours ⊂ Connection Data Proxy Telnet Blogin	Add new forwarded port:       Source port     23       Destination     192.168.16.1:23
SSH Kex Auth TTY X11 Unnels Bugs Serial	<ul> <li>● Local</li> <li>○ Remote</li> <li>○ Dynamic</li> <li>○ Auto</li> <li>○ IPv4</li> <li>○ IPv6</li> </ul>
About	<u>O</u> pen <u>C</u> ancel

After pressing the add button, it shows as following.

🕵 PuTTY Configurati	01			
Category:				
- Keyboard		Option	s controlling SSH p	ort forwarding
Bell Features		Port forwarding		
		Local ports	accept connection:	s from other hosts
- Appearance Behaviour		Forwarded port	s: s:	Bemove
Translation		L23 192	.168.16.1:23	
Colours				
Connection		Add new forwa	ded port:	
Proxy	=	<u>S</u> ource port		Add
- I elnet - Rlogin	-	Destination		
⊜- SSH		⊙ <u>L</u> ocal	ORe <u>m</u> ote	O Dynamic
- Kex		⊙ A <u>u</u> to	○ IPv <u>4</u>	O IPv <u>6</u>
- TTY				
-X11				
Bugs				
Serial				
About			<u>O</u> pen	<u>C</u> ancel

## • Save Configuration and Login SSH

The last step, you can save the session for the next use. Then, login as guest of the authentication.

R PullY Configuration		×
Category:		
Session     Logging     Terminal     Keyboard     Bell     Features     Window     Appearance     Behaviour     Translation     Selection     Colours     Connection     Proxy     Telnet     Rlogin     SSH	Basic options for your PuT1 Specify the destination you want to of Host Name (or IP address) 192.168.16.1 Connection type: Raw I elnet Rlogin C Load, save or delete a stored session Saved Sessions 192.168.16.1 Default Settings 192.168.16.1	TY session connect to Port 22 SSH Serial Delete Delete
<u>A</u> bout ▲ 192.168.16.1 [80:24] 連線(C) 編輯(E) 檢視(V) 視留	● Always ● Never ● Only ①pen 篮(W) 選項(2) 說明(出)	on clean exit
login as: guest guest@192.168.16.1's p	assword: *****	

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## • Telnet via SSH

Open the cmd function and use "telnet localhost 23" to connect to the SSH server.



Telnet localhost	
Welcome to the	
8 10/100TX + 2 Gigabit Copper/Mini GBIC Combo Managed Industrial Switch	
User Name :	
Password :	