	MONITOUCH Technical information	September 19, 2	014
Theme	Web Machine Interface VPN Remote Access Se	ervice	
Model	V9 series	No. TI-O-0004-1	1/6

1. Outline

Using VPN remote access service (Web Machine Interface), VPN connection between PC and V9 can be established. PC can access V9's connected devices too using V9's routing function with V9 Advanced / V9 Standard (LAN x 2CH model).



The following iter			
V9 unit	Program Ver.	Ver. 1.020 ^{*1}	
	OS Ver.	Ver. 1.00	
V-Connect ^{*2}	Windows OS	Windows 7 (32bit)	
		Windows 8 (32bit)	
		Windows 8.1 (32bit)	GW 192.168.90.12
	Menu language	Japanese: Japanese OS	GW 102.100.00.10
		English: Non-Japanese OS	Loool Area Natwork
	Hard disk	About 200Mbyte	
Others	Registered terminal inf		
	Internet connection for		

*1 It is included in V-SFT Ver. 6.0.2.0, which is available on Hakko website.

Update your V9's program version if your version is older.

*2 It is available on Hakko website.

*3 It is included in "Letter of Acceptance and terminal information" from Hakko.

3. Procedure of VPN connection

Prepare V9 unit and PC for internet connection. 1)

- 2) V9 setting
- 3) V-Connect setting
 - Start V-Connect and log-in
 - VPN connection and disconnection
 - VPN routing setting



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4. V9 unit setting

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- 1) Switch to [Local mode] on V9 unit.
- 2) Go to [LAN Setting] screen.
 - Type an IP address for V9's internet access and press [Apply] to set the IP address.
 - * LAN2 setting and WLAN setting are available on V9 Advanced / V9 Standard (LAN x 2CH model).

	LAN Setting	2014-10-21 12:02:08	
RUN	IP Option		
System	IP Address 10.91.130.235	External Access	Set an IP address which is same class as an internet router
Information	Subnet Mask 255.255.255.0		
Language Setting	Gateway 10.91.130.1	Time-Out 15 *sec	 Set an IP address for an internet router
LAN Setting	MAC Address 00:50:FF:02:9C:89	Retrials 3	
VPN Setting	No Host Name IP Address	Sub Net Mask Gate Way Sen	
E-Mail Setting	4		
SRAM Setting	Restore Screen Data Settings	Cancel O Apply	

3) If routing function* is used, go to [LAN2 setting (WLAN setting)] for the setting.

Type an IP address for LAN connection, and press [Apply] to set the IP address.

*This routing function is available only on V9 Advanced / V9 Standard (LAN x 2CH model)

LAN	LAN2 Setting		2014-10-21 12:54:00	
Setting	IP Setting Option			
LAN2 Setting	IP Address 192.168.90.10	External Access	Set an IP addres	ss for LAN connection.
(<u>p</u>)	Subnet Mask 255.255.255.0	Service Port	The IP address i	s used as a gateway address between V9 and V9
WLAN Setting	Gateway	Time-Out	connected devic	es (Network camera or PLCs).
Ø VPN	MAC Address 00:50:FF:02:9D:29	Retrials	3	
E-Mail Setting	No Host Name IP Address	Sub Net Mask G	ate Way Service Port	
SRAM Setting				
S Comm. Setting				
Svetam			Cancel Apply	

4) Set date and time on V9 unit. VPN connection fails, if date and time is not correctly set on V9 unit.

2014-10-21 12:57:15

- If PLC's clock is preferred, set current date and time on PLC's clock.

- If V9's internal clock is preferred, set current date and time on V9 unit by going to [Date / Time Setting].

SHAM	Date/Time Oetting							201
ing		1		Oct	ober 2	014		
nm. tina	Su	n	Mon	Tue	Wed	Thu	Fri	Sat
	28	3	29		1	2	3	4
	5		6	7	8	9	10	11
ne g	12	2	13	14	15	16	17	18
age	19	9	20	21	22	23	24	25
nsfer B	26	5	27	28	29	30	31	1
	2		3	4	5	6	7	8
1	Time 12	Settir 2:57	ng 15 <	t 12 Dancel	2 :	57 © S	: et	20

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5)	Go	to [VPN Se	etting].										
		VPN Setting		2014-10-2	1 12:32:48								
System	on	Invalid	Valid				Select [Valid]						
2 Languag Setting	ie	Port for VPN	Address: 10.91.130.235]◀───			Select LAN po	ort which is set o	on 2)	(=ON sta	atus)		
LAN Setting		VPN Proxy Setting Setting											
VPN		IP Address for VPN			X DHCP	•	Select [DHCP]	(=Automatic ac	quisi	tion)			
Setting		Target ID				En	ter the informat	ion from "Letter	of A	cceptanc	e and te	erminal info	ormation"
Setting		Node ID Node password				т	To: Hakko Electronics C	o., Ltd.		155	ued on:	9/5/2014	1
SRAM Setting							Taro Hakko	of Acceptance a	and T	erminal In	formatio	n	
2. 1				Unlink	Connect	1	Thank you for choosing Hakko Web Machin	e Interface service.	ina i		lonnatio		
Setting					The second second		Start of service	9 1 2014	No.	inter a user ID and a passwi	ard to the management to	Password	1
							Valid until:	9 10 2014	1	user001	PW0123456	57	
							Plan	Free	2	iser002	PW1234567	/8 R0	
6)	lf r	emote acce	ss via proxy s	server is pr	eferred.		Number of sub-domain	0	4	user004	PW3456789	30	
-,					,		Domain name	Monitouch	5	user005	PW4567890	11	
		4- [D 0	- 44 ¹ 1 f 41				Administrator account ID Administrator pasaword	IDAdmini98765 PWAdmini98765	6	user006 user007	PW5678901	.2	-
	go	to [Proxy S	etting] for the	setting.		10	(Target ID information)		8	user008	PW7890123	34	
S		VPN Sotting		2014 10 2	1 10-40-41		Register the following target ID to your V9. Target ID	0123450PORSTUxvz	9	iser009 iser010	PW8901234 PW9012345	JS 56	-
		wr is betting		2014-10-2	1 12.43.41	_	/0	-9					-
Systen	1	Invalid	Valid				Registered terminal informatio	n name to the V9 which you wish to access via V	PN.	Hada TD			
A						1 (1 Node password	NDPW001ABCDE	21	Node password			
<u>∛</u>		-Port for VPN-					2 Node ID	V9NODE002	22	Node ID			
Langua	ge)	LAN IP	Address: 10.91.130.235				Node ID	V9NODE003	23	Node password Node ID			
-							Node ID	V9NODE004	24	Node password Node ID			
LAN		VPN Proxy	1				Node password	NDPW004ABCDE V9NODE005		Node password			-
Setting)	Setting Setting				1	5 Node password	NDPW00SABCDE	25	Node password			
		Use the proxy s	server				Node ID		26	Node ID]
Setting)	Proxy Server IP Add	dress										
						Г Г	-						
E-Mai Setting		Proxy Server Port					Please do not	t duplicate a no	de IL	or a not	de passv	word, if sev	veral V9
S PAL		User Name					units are com						
Setting	,	L	F			Г	5						
Comm Setting				Unlink	Connect		Please consu	It with your netw	vork	administi	rator abo	out proxy s	setting.

7) Click [Connection] to access VPN server. If a message [IP Address for VPN:] is appeared as below,

VPN connection is successfully established.

6	VPN Setting		2014-10-21 12:47:02	5
System Information	Invalid	Valid		
Anguage Setting	Port for VPN	Address: 10.91.130.235		
LAN Setting	VPN Proxy Setting Setting]		
VPN Sotting	IP Address for VPN			HCP
	Target ID	•••••		
E-Mail Setting	Node ID	N0DE001ABCDE		
SRAM Setting	Node password	•••••		
Comm.			🖉 Unlink 🚺 💮 Con	inect

	VPN Setting	2	014-10-21	12:47:02
System Information	Invalid	Valid		
Language Setting	-Port for VPN	IP Address: 10.91.130.235		Y
LAN Setting	VPN Proxy Setting Setting	a]
VPN Setting	IP Address for VP	VPN Setting IP Address for VPN:192.168.	.50.10	X DHCP
E-Mail Setting	Target ID Node ID	ОК		
SRAM Setting	Node password	Virtual IP address for	VPN	connectio
Comm.		💋 Un 1	ink	▶ Connect

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- 5. V-Connect setting
 - Start V-Connect and log-in
 - 1) Download [V-Connect] from Hakko website and install it on your PC.

http://www.hakko-elec.co.jp/site/support/download-index.html

- 2) Run V-Connect from the Start menu.
- 3) Enter the information from "Letter of Acceptance and terminal information" on [V-Connect Login].



If [Unlink] is pressed, VPN connection is disconnected.

The status of [Connect/Disconnect] is memorized even V9 is powered off. If V9 is powered off with [Connect] status, V9 automatically accesses VPN server once V9 is powered on.

Domain name	Monitouch ID01234567		To: Hakko Electronics C Taro Hakko	o., Ltd.	nd Ter	Issued on: minal Inform	9/5/201 mation
Password	Remember the domain name and user ID Option(0)		Thank you for choosing Hakko Web Machin This letter is to confirm that your informatik	e Interface service. on was approved and registered as below.	Enter a user ID and a password to the management tool.		
New domain(D	OK Cancel		Valid until:	9 - 10 - 2014	1 user0 2 user0	01 02	Passworu PW01234567 PW12345678
		-	Plan	Free	3 user0	03	PW23456789
			Number of sub-domain	0	4 user0	04	PW34567890
			B Domain name	Monitouch	5 user0	05	PW45678901
			Administrator account ID	ILAGINININS765	o usero	00	PW50709012
			«Target ID information»		8 user0	08	PW78901234

 If remote access via proxy serveris preferred, go to [Option] > [Proxy Setting] for the setting.

✓ V-Connect Login

 Domain name Monitouch

 User ID ID01234567

 Password

 Remember the domain name and user ID Option(0)
 New domain(D)...

 OK Cancel

👷 Internet connection proxy settings		
 Direct connection to internet(<u>p</u>) Connect to internet via HTTP proxy s Host name(<u>H</u>) 	Please consult with your network administrator about proxy setting.	
Port number(<u>N</u>) User(<u>U</u>) Password(<u>P</u>)	(Option) (Option)	-
	OK	

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5) Click [OK] to log in VPN server. V9 connection status can be checked. Nort - user name001 - -Domain(D) Connection(C) Access points(S) VPN terminal(E) User(U) View(V) Tool(T) Help(H) 🗱 Logout 🐵 Connect VPN 🖉 Disconnect VPN 🧔 Refresh 🛷 Proxy settings 👔 Option settings Domain name Monitouch VPN terminal name Access points TERM001 Ip52R2644CA7T10P Active ID - Monitouch Access points TERM IP address assignment DHCP -ERM002 V9's virtual IP address IP address 192.168.50.10 V9 list TERM003 TERM004 Node ID NODE001ABCDE V9's node ID and password (Registry on V9 unit) TERM005 Node password ***** User list Local network User list Hakko Taro IP address information which is set for V9's LAN port 👤 user name001 Network address (The information is required for routing function) Subnet mask MAC address V9's VPN connection status VPN status Online 🚽 Source IP address 210.249.102.144 2014-09-15 21:26:22 Session start time Last authentication time 2014-09-15 21:26:22 Sending data size 288.074Bvtes Receiving data size 15,949,604Bytes Online Offline VPN Connect: None

- Disconnect VPN connection

1) If you select [Access point] and click [Connect VPN], VPN connection is established.

🐝 V-Connect - user name001	No V-Connect - user name001
Domain(D) Connection(C) Access points(S) VPN terminal(E) User(U) View(V) Tool(T) Help(H)	Domain(D) Connection(C) Access points(S) VPN terminal(E) User(U) View(V) Tool(T) Help(H)
🛙 👹 Logout 🐵 Connect VPN 🖉 Disconnect VPN 🧔 Refresh 💣 Proxy settings 🛓 Option settings	💀 🕅 Lagout 🐵 Connect VPN 🚀 Disconnect VPN 🧔 Refresh 🦪 Proxy settings 🛓 Option settings
Access point name Monitouch Presence points FERMIQ	Access point name Monitouch IP address IP2.168.50.1 Subnet mask 255.255.255.0 DHCP assignment ip address number 90 Connected Jusconnected
VPN Connect: None	VPN Connect: Monitouch





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- Router setting

With V9's routing function, V9 can access V9's connected devices. [Local Network setting] needs to be set for the function.

* Routing function is available only on V9 Advanced / V9 Standard (LAN x 2CH model)



3) [Network address] and [Subnet mask] are required for V9' local network.

Local network setting	×.	
Local network	192.168.90.10	The setting is not required after Oct 2014, sin auto-registration system is available.
	OK Cancel	

4) Click [VPN connection].