Application Notes

How to configure Gmail email server with MicroSmart FC6A HMI Module

1. In HMI Module Configuration \rightarrow Network Settings, configure HMI Module IP address and DNS Settings

 a. For DNS Settings, select "Use the following DNS server addresses" Preferred DNS Server: 8.8.8.8
 Alternate DNS Server: 8.8.4.4

		2 ×
Configure the network set	tings.	
IP Settings		
 Obtain an IP Address automat Use special data register to co Use the following IP address: 	tically (DHCP) onfigure the IP address	
IP Address: Subnet Mask: Default gateway:	192.168.1.22 255.255.255.0 192.168.1.1.1	
DNS Settings		
Obtain DNS server address au Use special data register to o Use the following DNS server Preferred DNS Server: Alternate DNS Server:	addresses:	
	Configure the network set IP Settings Obtain an IP Address automa Use special data register to c Use the following IP address: IP Address: Subnet Mask: Default gateway: DNS Settings Obtain DNS server address ar Use special data register to c Use the following DNS server: Preferred DNS Server: Alternate DNS Server:	Configure the network settings. IP Settings Obtain an IP Address automatically (DHCP) Use special data register to configure the IP address Use the following IP address: IP 2.168 . 1 . 22 Subnet Mask: 255 . 255 . 05 Default gateway: 192 . 168 . 1 . 1 Obtain DNS server address automatically (DHCP) Use special data register to configure the DNS server addresses: Preferred DNS Server: 0 Use the following DNS server addresses: Preferred DNS Server: 8 . 8 . 8 Alternate DNS Server: 8 . 8 . 4 . 4

- 2. In HMI Module Configuration \rightarrow Email Settings, configure as follow
 - a. General Settings

Host Name:	smtp.gmail.com
SMTP Server Port:	465
Sender Email Address:	Your Email
Address Sender Name:	Your Name
Use secure connection (SS	SL): Check this box

- b. Optional Settings
 Authentication is required to send email: Check this box Account Name: Your Email Address
 Password: App Generated Password
 - I. Sign in to Gmail account. Click on "Account"
 - II. Click on "Security"



III. Turn on "2-Step" Verification

10		Inioadon		
٢	Home			
Ξ	Personal info			
۲	Data & personalization	Password	Last changed Apr 17	>
⋳	Security	2-Step Verification	🥑 On	>
00	People & sharing	App passwords	None	>
	Payments & subscriptions			

- IV. Click on "App Passwords"
- V. Select app as "Other" and click on "generate". That is the password that would be used in the WindLDR Software in "Optional Settings"
 - ← App passwords

App passwords let you sign in to your Google Account from apps on devices that don't support 2-Step Verification. You'll only need to enter it once so you don't need to remember it. Learn more

You don't have any app passwords.					
Select the app and device you want to generate the app password for.					
Select app	Ţ	Select device	~		
					GENERATE

HMI Module Configuration		? ×
LCD Settings Network Settings	Configure e-mail settings.	
E-mail Settings	General Settings	
Connection Settings Web Server	SMTP Server: Host Name: smtp.gmail.com JP Address: 0 <	
	Text Encoding	
	Character Set: Unicode (UTF-8) Encode TextUsing: Base 64 Decimal Symbol: Period (.) Separating Character: Comma (.)	
Default	JL	OK Cancel



E-mail 1				
E-mail 2				
E-mail 3	Find:		1944	
E-mail 4	donp@idec.com	T	To: donp@idec.com	
E-mail 5				
E-mail 6				
E-mail 7				
E-mail 8				
E-mail 9		C	Cc:	
E-mail 10		>>		
E-mail 11				
E-mail 12				
E-mail 13			y.	
E-mail 14	Subject: Test Gmail Em	nail		
E-mail 15	This is a test email from	Don Pham gmail account.		
E-mail 16				
E-mail 17				
E-mail 18				
E-mail 19				
E-mail 20	Attached File	Configure	Insert Date	a Register

3. In Project Window \rightarrow Email Editor, configure Email 1 for email recipe

4. Program email instruction as follow. When internal relay M100 is on, Email 1 is executed.

Main Program	M	Iodule Configuration				
Rung	1	Send Email			Completion	Status
1					Bit	Registers
			EMAIL	S1	D1	D2
		M0100		1	M0000	D0000



