## Upgrading Firmware in a Moxa Unit

\*\*Please note that all Moxa units using Progressive DNC will need custom firmware flashed and defaulted in order to work effectively.\*\*

If accessing a new Moxa / Connecting a Moxa physically to a PC: Go to Step 1 If accessing an existing Moxa on your network: Go to Step 5

- 1. Using a crossover cable, connect your Moxa device to a computer
- Plug the Moxa into a power source
   \*\*Note: Steps 1 and 2 MUST be done in this order\*\*
- 3. Access Network and Sharing Center > Change Adapter Settings



Find and select the ethernet port in which you will be connecting the Moxa to. Select Properties
 Internet Protocol Version 4. Make sure that particular port is on the same subnet as the moxa
 unit (the default wired IP address is 192.168.126.254).

4	Ethernet 5 Properties	×
Ne	tworking Sharing	
C	onnect using:	
	Internet Protocol Version 4 (TCP/	(IPv4) Properties
	General	
Г	You can get IP settings assigned this capability. Otherwise, you ne for the appropriate IP settings.	automatically if your network supports eed to ask your network administrator
A	Obtain an IP address autom	atically
	Use the following IP address	5:
	IP address:	192 . 168 . 126 . 250
	Subnet mask:	255.255.255.0
	Default gateway:	
	Obtain DNS server address	automatically
	Use the following DNS serve	er addresses:
	Preferred DNS server:	
	Alternate DNS server:	

5. In a web browser, enter the IP address of the Moxa unit into the search bar and navigate to it. This will bring you to the login page. Login using the default no-password credentials. If the Moxa device was recently defaulted and does not login using the default credentials, use the password "moxa" to login.

Account	admin 🔻
Password	
	Login

6. On the left-hand side, navigate to System Management -> Maintenance -> Firmware Upgrade.

- Main Menu	
Overview	
Wizard	
Basic Settings	
- Network Settings	
- Serial Port Setting	s
- System Managem	ent
- Misc. Network	Settings
- Auto Warning S	Settings
- Maintenance	
Console Sett	ings
Ping	
Firmware Up	grade
Configuration	n ImpSrt
Configuration	n Export
Load Factory	Default
Change Pass	sword
- Certificate	
- System Monitoring	1
- Restart	

- 7. Navigate to the provided firmware file and submit and upload. The moxa should reboot after a couple of minutes.
- 8. Once the Moxa restarts, follow step 5 to log back into the unit.

9. On the left-hand side, navigate to System Management -> Maintenance -> Load Factory Default.

ain Me	enu
Overv	iew
Wizar	d
Basic	Settings
Netw	ork Settings
- Seria	al Port Settings
- Syste	em Management
- N	lisc. Network Settings
- A	uto Warning Settings
- N	faintenance
	Console Settings
	Ping
	Firmware Upgrade
	Configuration Import
	Configuration Export
	Load Factory Default
	Change Passford
- C	ertificate
Syste	em Monitoring
Rest	art

10. On the next page, Select Keep IP Settings in order to retain network information if the Moxa unit is currently on your network!! Failure to do this will result in you having to re-program network settings after defaulting. Select Submit to load factory default. If a pop-up prompts to confirm, Select OK. Loading factory default is necessary as vital functions will not work without a factory default after firmware upgrade.

## **Load Factory Default**

Click on Submit to reset all the settings, including the console password, to the factory default values. To leave the IP address, netmask, gateway and WLAN profile settings unchanged, make sure that Keep IP Settings is enabled.

Reset to Factory Default

Keep IP settings

