

Edge Intelligence Firmware Update

Requirements

- DataMan Setup Tool **6.1.10_SR1**
- Edge Intelligence Firmware Package

Download latest from: <https://support.cognex.com/downloads/edge-intelligence>

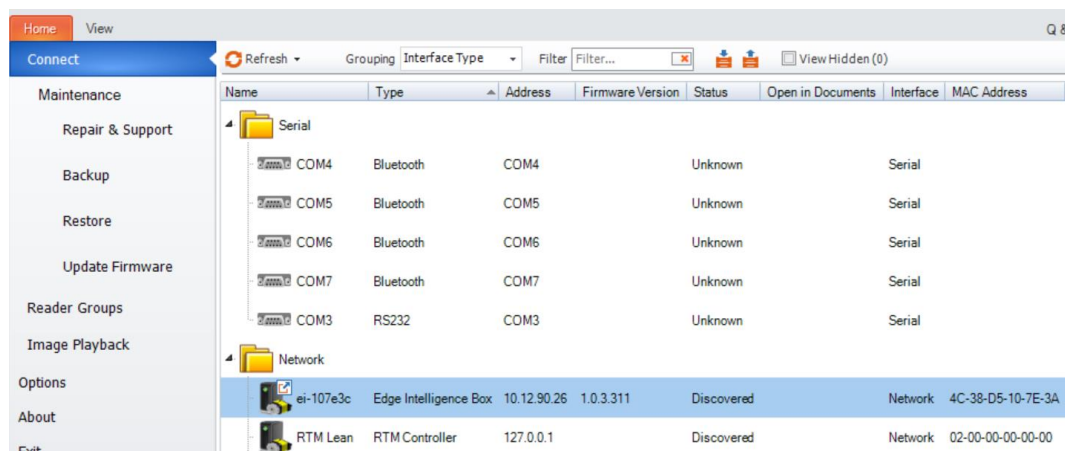
Steps

A. Device setup

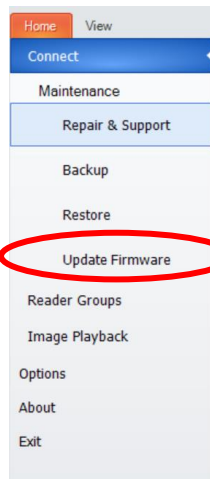
1. Plug power adapter into Edge Intelligence unit, it will boot automatically. *Note EI unit takes about 5-minutes to fully boot up.*
2. Get Laptop and EI unit onto the same network using one of the below two methods
 - a. Configure laptop's ethernet port for DHCP. Then connect laptop's ethernet port and the left-most (eth1) ethernet port of EI unit into the same network switch with a DHCP server
 - b. Set laptop's ethernet port to have a static IP address of 192.168.1.101.
Connect laptop's ethernet port to the middle ethernet port on the EI unit.

B. Use DataMan Setup Tool to apply Firmware update

3. On the laptop, open **Setup Tool 6.1.10_SR1**
4. Confirm that the EI device is discovered. And confirm EI device is fully booted up and all services are running (see Section C Step 11 for how to do this).



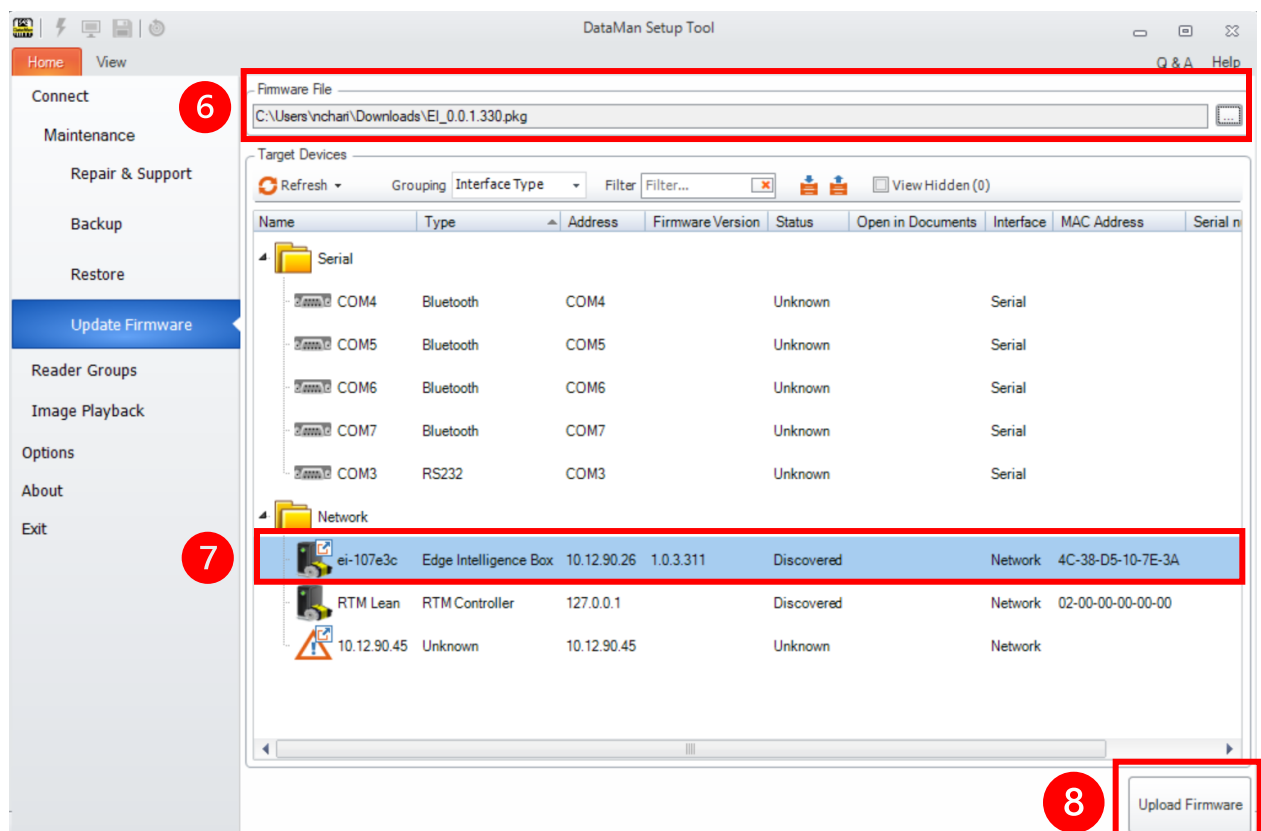
5. Go to the “Update Firmware” page



6. Browse computer for the new EI firmware's .pkg file

7. Select the EI device in the Device list

8. Click “Upload Firmware”



C. Final Steps and Verification

9. Wait for EI unit to finish updating. The unit will reboot once the update is complete.

10. After the Setup Tool indicates that the process is complete, wait for ~5-10 minutes device to fully boot up and for internal services to update and restart.

11. Verify that the network interfaces and the services as below are operational.

To do so, open a web browser and enter the IP address of the EI device setup in Step-3. Click on the ⓘ icon to open About dialog.

- Verify that Network Interfaces lists 3 ports. Typically, listed as eth1, 2, and 3 or eth0, 1, 2. *Note: For EI-200 units only eth1 and eth2 will be listed.*
- Verify that a total of 12 services are listed in the Components section.

Network Interfaces

Name	Operational	MAC Address	Address Type	IP Address	Subnet Mask	Gateway	DNS Server	Domain
eth3	✓	848BCD490155	Static	10.12.90.22	255.255.255.0	10.12.90.1	10.10.160.1	(none)
eth2		848BCD490154	Static	192.168.1.100	255.255.255.0			
eth1		848BCD4004AB	DHCP					

Components

Name	Version
Frontend	1.9.0
Connectivity Layer	1.2.0+131.47833f7
Data Analytics	1.2.0+131.47833f7
DataMan WebHMI	1.4.2.0
Dynamic UI Manager	1.2.0+131.47833f7
Firmware Upgrade	1.2.0+131.47833f7
Identity Provider	1.2.0+131.47833f7
MQTT Forwarding	1.2.0+131.47833f7
Performance Analytics	1.2.0+131.47833f7
Real Time Monitoring	1.2.0+131.47833f7
Reporting	1.2.0+131.47833f7
Tunnel Setup Tool	1.2.0+131.47833f7