

EDGE INTELLIGENCE QUICK START GUIDE

Hardware Setup

Box Content

Unpack your Edge Intelligence unit to find the following components:

DMA-EI-200	DMA-EI-300	DMA-EI-700
Mini DisplayPort to VGA	DisplayPort to VGA	DisplayPort to VGA
DIN Rail Mounting Kit	DIN Rail Mounting Kit	Wall Mounting Bracket with Vibration Isolation
Power Adapter	Power Adapter	Power Adapter
Thermal Pads	Wiring Terminals	Wiring Terminals

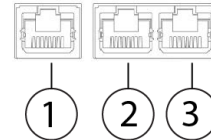
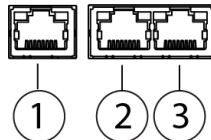
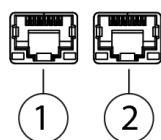
Installation

There are two ways to connect your unit to access the user interface of EI:

- Connect the device to a monitor using the VGA cable and peripherals
- Use Cognex's DataMan Setup Tool (6.1.8) to discover Edge Intelligence and then remotely connect via a web browser

Perform the steps below before connecting to the web user interface:

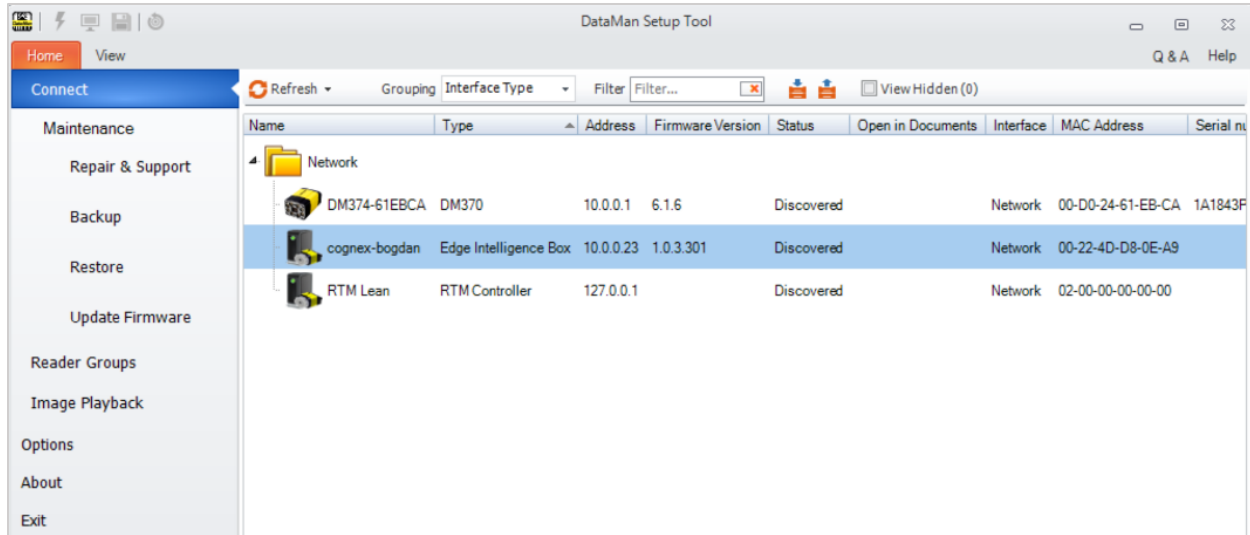
1. Connect Edge Intelligence (EI) to your Enterprise network using the External Ethernet port.



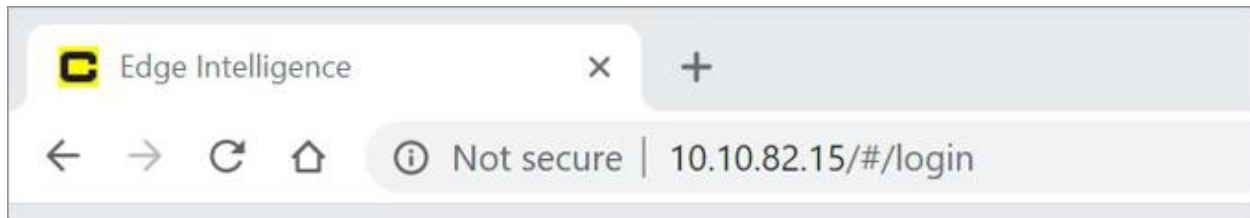
	DMA-EI-200	DMA-EI-300	DMA-EI-700
1	External (DHCP)	External (DHCP)	External (DHCP)
2	Internal (192.168.1.100)	Internal (192.168.1.100)	Internal (192.168.1.100)
3	N/A	Internal (DHCP and 192.168.1.100)	Internal (DHCP and 192.168.1.100)

2. Connect EI to your reader network LAN using the Internal ethernet port.
3. Connect EI to power and start the device.

4. Access EI's web interface by connecting directly to a VGA monitor and peripherals or by using Cognex DataMan Setup Tool (6.1.8 or later) to discover and configure EI to be able to connect remotely via web browser from any device in the network.



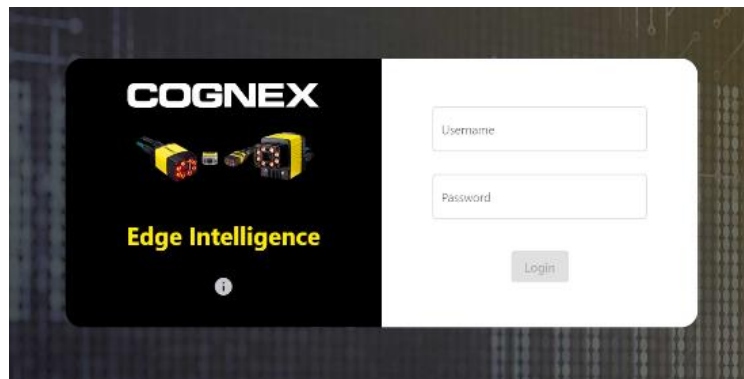
5. By clicking on the discovered Edge Intelligence your browser will open a connection to the Login Page.



Login Page Access

To log in into your EI unit you will use the following default login information:

Username: admin
Password: BnthWWSD



You can click the information button which opens a pop-up to shows the following device details:

- **Documentation** – link that opens the reference manual that is stored on the box
- **Network Interfaces** – shows the available and connected network ports with their configurations
- **Component Versions** – highlights the different features that run on the platform

About ei-dev-UltraPoint

Documentation

Click here to open documentation.

Network Interfaces

Name	Operational	MAC Address	Address Type	IP Address	Subnet Mask	Gateway	DNS Server	Domain
enp1s0	✓	00:22:4D:1F:75:7C	DHCP	10.86.80.6	255.255.255.0	10.86.80.205	127.0.0.53	(none)
enp2s0	✓	00:22:4D:1F:75:7D	Static	10.86.80.88	255.255.255.0		127.0.0.53	(none)

Component Versions

Name	Version
Frontend	0.18.0

Close

Discovering Devices on the Network

1. Upon successfully logging in, the web UI will launch, and the EI unit will auto-discover the devices on your network, which will appear listed on your home screen.
2. If you need to change your EI's network settings, open the menu and go to the Settings > Edge Device. From there, you can set the network settings.
3. It is recommended that all Cognex devices be in the same subnet as the EI unit. FTP image transfer is not possible using a link local address (DHCP). Therefore, it is suggested that you change the IP address of all readers on the network to be in the same subnet (192.168.X.X).

COGNEX

Home Settings Edge Device

Network Configuration

Device Name
ei-d80x53

Network interface: enp1s0

Enable DHCP

IP Address

Subnet Mask

Gateway

Network interface: enp2s0

Enable DHCP

IP Address
10.10.82.15

Subnet Mask
255.255.0.0

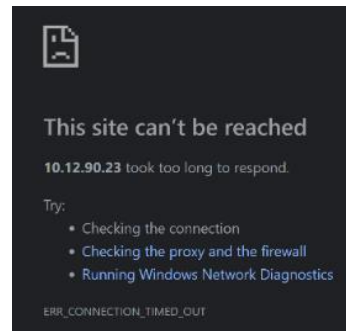
Gateway
10.10.205.205

COGNEX												
Home Multi Reader Configuration DataMan Admin User												
Add selected to group Upload configuration Upload firmware Download as CSV Discover devices Search												
Test												
Actions	Primary	Name	Type	MAC Address	Firmware Version	Address Type	IP Address	Subnet Mask	Gateway	Source Network Interface	State	Task Status
☒		R_8	DataMan470	00D024585A5C2	6.1.6_vr2	Static	10.86.92.53	255.255.255.0	10.86.92.1	enp3a0	In Local Subnet	
☐		R_7	DataMan470	00D0245851F8	6.1.6_vr2	DHCP	10.86.92.108	255.255.255.0	10.86.92.1	enp3a0	In Local Subnet	
Standalone Devices												
Actions	Primary	Name	Type	MAC Address	Firmware Version	Address Type	IP Address	Subnet Mask	Gateway	Source Network Interface	State	Task Status
☐		WebHMI_2-LongRunning_Test	DataMan470	00D0243DB6B0	6.1.6_vr2	Static	10.86.92.12	255.255.255.0	10.86.92.1	enp3a0	In Local Subnet	
☐		EL6	DataMan470	00D024585290	6.1.6_vr2	Static	10.86.92.51	255.255.255.0	10.86.92.1	enp3a0	In Local Subnet	
☐		WebHMI_3-Demo	DataMan470	00D02455904E	6.1.6_vr2	Static	10.86.92.13	255.255.255.0	10.86.92.1	enp3a0	In Local Subnet	
☐		EI_5	DataMan470	00D024586A5E	6.1.6_vr2	Static	10.86.92.50	255.255.255.0	10.86.92.1	enp3a0	In Local Subnet	
☐		WebHMI_4-EZC	DataMan470	00D0243DB6CA	6.1.6_vr2	Static	10.86.92.14	255.255.255.0	10.86.92.1	enp3a0	In Local Subnet	
☐		WebHMI_1	DataMan470	00D0243DB6FC	6.1.6_vr2	Static	10.86.92.11	255.255.255.0	10.86.92.1	enp3a0	In Local Subnet	

Edge Intelligence Troubleshooting

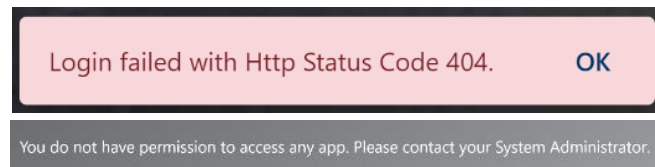
Cannot see device on ST or browser

- Check wire connections



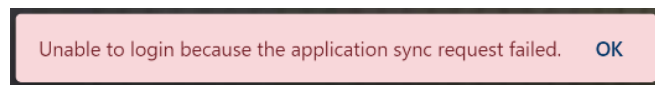
Failed login error messages

- Check the credentials used



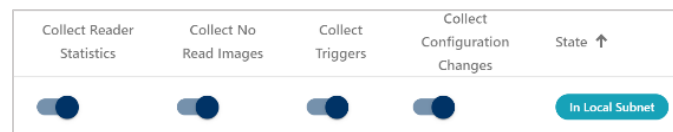
Component load error message

- Reboot device and wait for services to start



No data/images available

- Check reader availability and setup



Need help?

MyCognex Documentation

<https://support.cognex.com>

Technical Support

ts.global@cognex.com

www.cognex.com

©Copyright 2020, Cognex Corporation. All Rights Reserved. Cognex is a registered trademark of Cognex Corporation. Lit. No. EIQSG-04-2020