

Install and configure Leanworx connect

Ensure PC Configuration

Leanworx SME requires this:

1. PC must be powered on 24/7.
2. PC must have internet connectivity 24/7.
3. PC must have Windows 10 or Windows 11.
4. Free hard disk space 25 Gb.
5. RAM 8 Gb.

Set IP address on the machine

Fanuc controller

Check if the machine controller supports FOCAS protocol.

FOCAS requires your CNC to have an active Ethernet port. You can verify this by looking at your control screen:

1. Press the [SYSTEM] key.
2. Press the right arrow soft key (>) about 5 times.
3. Look for the [ETHPRM] (Ethernet Parameter) or [ETHER] soft key.
4. If this option appears, your machine supports FOCAS communication.

Set the IP Address

1. Press the SYSTEM key.
2. Press the [>] soft key.
3. Select EMBED PORT.
4. Press COMMON.
5. Enter the IP Address. Make a note of this IP address.
6. Enter the Subnet Mask.
7. Press FOCAS2.
8. Set TCP Port to 8193.
9. Restart the controller.

Brother C00 controller

Set the IP Address

1. Select Machine parameter
2. Select Communication parameter
3. Enter the IP Address, Subnet mask and Gateway. Make a note of this IP address. Enter without any dots. Eg., for 10.11.0.234, enter 010011000234.
4. Set Data overwrite to 1.
5. Set Remote operation to 1.
6. Save and restart the controller.

Haas NGC controller

Set the IP Address

1. Press [SETTING].
2. Go to the Network tab.
3. Set DHCP to OFF.
4. Enter the IP Address, Subnet mask and Gateway. Make a note of this IP address.

5. Press [F4] Apply or Save (depending on the software version).
6. Restart the controller.

Check if the machine is in the company's LAN

1. Select a windows PC that is in the same network as the CNC machine.
2. Press Windows+R on the keyboard.
3. Type 'ping <IPAddress> -t'
E.g., ping 192.168.2.62
4. If the machine is connected on the LAN, you will see messages like this.

```
C:\Users\Kaushik>ping 192.168.2.62

Pinging 192.168.2.62 with 32 bytes of data:
Reply from 192.168.2.62: bytes=32 time=105ms TTL=128
Reply from 192.168.2.62: bytes=32 time=101ms TTL=128
Reply from 192.168.2.62: bytes=32 time=14ms TTL=128
Reply from 192.168.2.62: bytes=32 time=109ms TTL=128

Ping statistics for 192.168.2.62:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 14ms, Maximum = 109ms, Average = 82ms
```

5. If the machine is NOT connected on the LAN, you will see this message repeating.
6. If this happens, talk to your IT team and get the issues fixed.

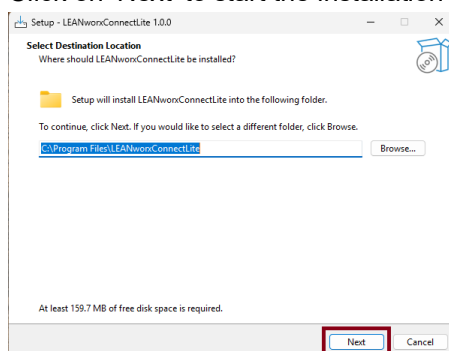
```
C:\Users\Kaushik>ping 192.168.2.6

Pinging 192.168.2.6 with 32 bytes of data:
Reply from 192.168.2.92: Destination host unreachable.
Reply from 192.168.2.92: Destination host unreachable.
Reply from 192.168.2.92: Destination host unreachable.
Reply from 192.168.2.92: Destination host unreachable.

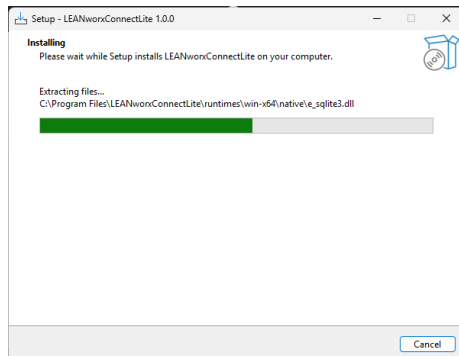
Ping statistics for 192.168.2.6:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
```

Install Leanworx Connect

1. Click on the Download button in this page to download the file '*LeanworxConnectSME.exe*'.
2. Double click on the downloaded file to install it.
3. Click on 'Next' to start the installation



- Continue to click on 'Next' until the installation is done.



- Start Leanworx Connect from the desktop icon.
- You will be prompted to enter the Connector License on your web browser. Get this from the email send by the Leanworx team. It will look something like this:
D551505C-F384-49C2-B861-AA3C18182BB3
- Copy the license code from the email and paste it in the dialog box and click on submit.
- Enter these login details.
Username: admin, **Password:** L6#wV3@q
- The machine details that you provided earlier in the web form will appear.

Machines

Search

#	Name	Device Type	Device Serial Number	IP Address	
1	M1	None	KIOT_21647318		   
2	M2	Fanuc - Focas	Fanuc		   

Page 1 of 1

- Click on the Gear icon (highlighted below) and to enter the machine's IP Address.



- Enter the IP Address in the highlighted box and click on Save. DO NOT change any other settings.

Machine Configuration

Name: M2 Device Serial Number: Fanuc Device Type: Fanuc - Focas

☐ Show Advanced Settings

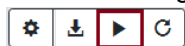
IP Address: 192.168.2.27 Port Number: 8193 Retry After (Seconds): 20 Pooling Interval (ms): 500

☐ Locking of machine control panel required Threshold time in minute after downtime start: 1

Cycle end option: 5 Macro For Pallet Change: 36 Macro for Cycle start & cycle end: #501

Cancel Save

- You have successfully activated Leanworx. Click on the Start button (highlighted in red) to start monitoring the machine.



- Your machine is now being monitored. You can login to Leanworx and see the machine status. Your login credentials have been emailed to you.
- To learn how to view the machine status, data please watch the short HowTo videos o=in this page:
 - 'How to login to Leanworx'
 - 'How to view reports'.

Thank you for choosing Leanworx to help you improve your shopfloor productivity.