



ELSP SAFETY PRODUCTS

# Pluto Gateway

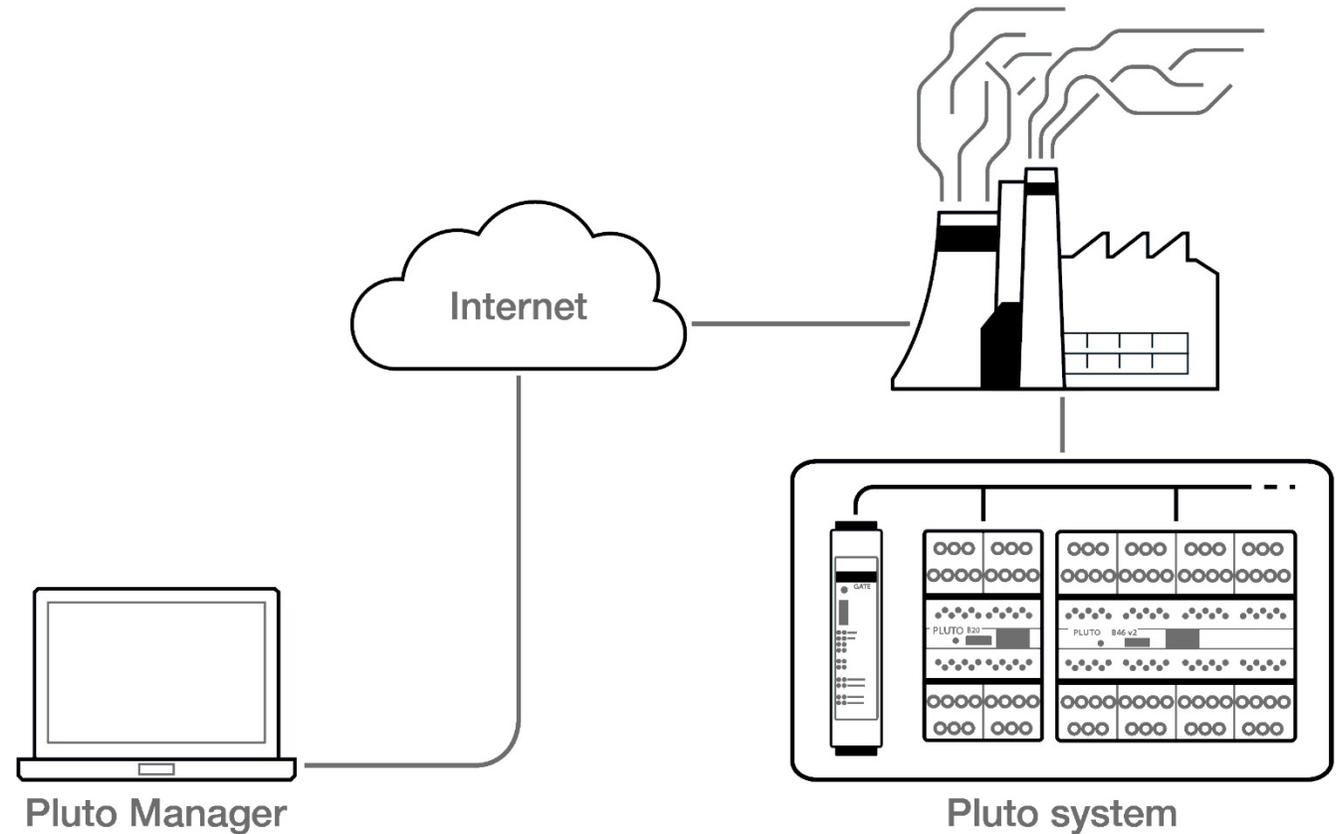
Remote monitoring and control

2TLC010004N0201 revB

# Pluto Gateway – remote monitoring and control

## Usage

- Troubleshooting
- Support of local maintenance personnel
- Regularly monitoring of the condition in machines or processes
- Download PLC program
- Configuration of Status bus and IDFIX etc.

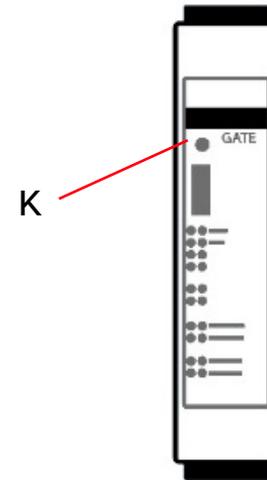


# Pluto Gateway – remote monitoring and control

## Cyber security

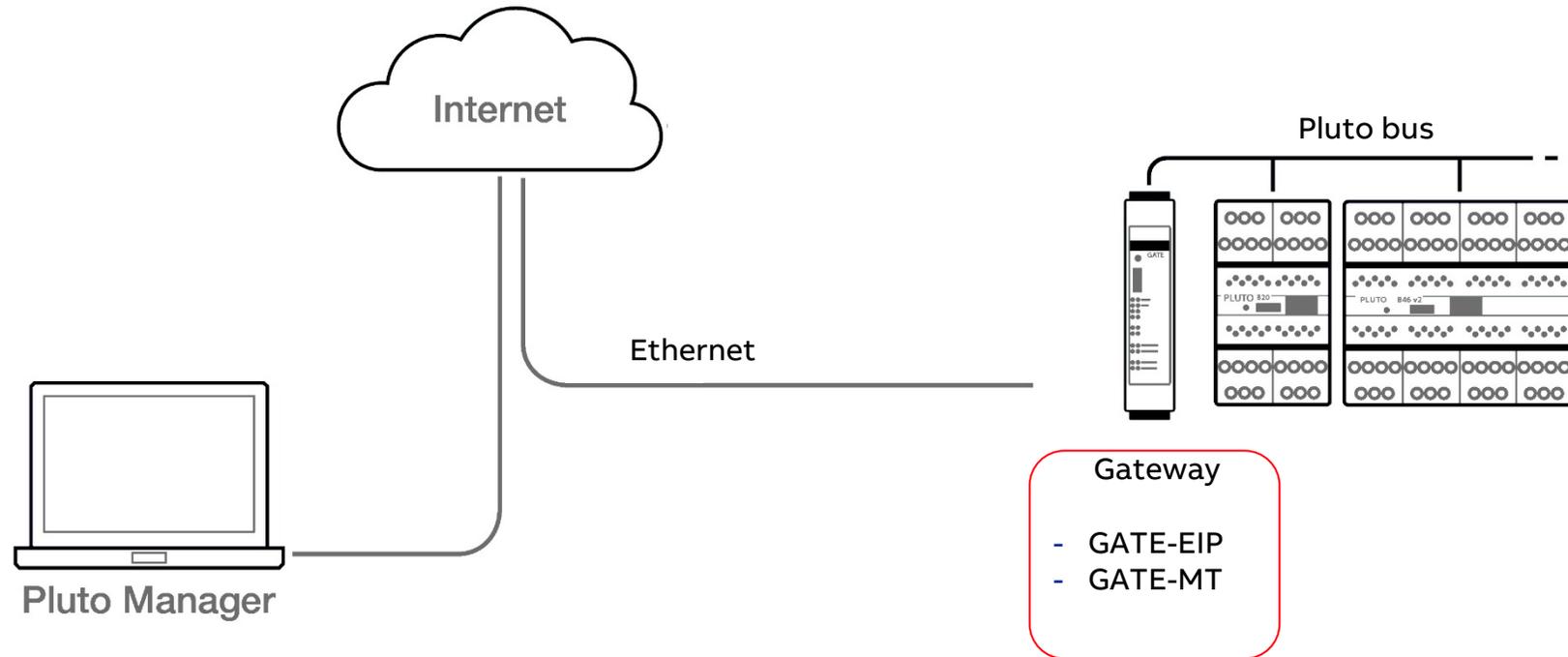
There is no risk of unwanted changes to the Pluto system.

In order for a remote download or remote configuration to be carried out, a person at the Pluto system needs to approve by pressing the “K-button” on the gateway.



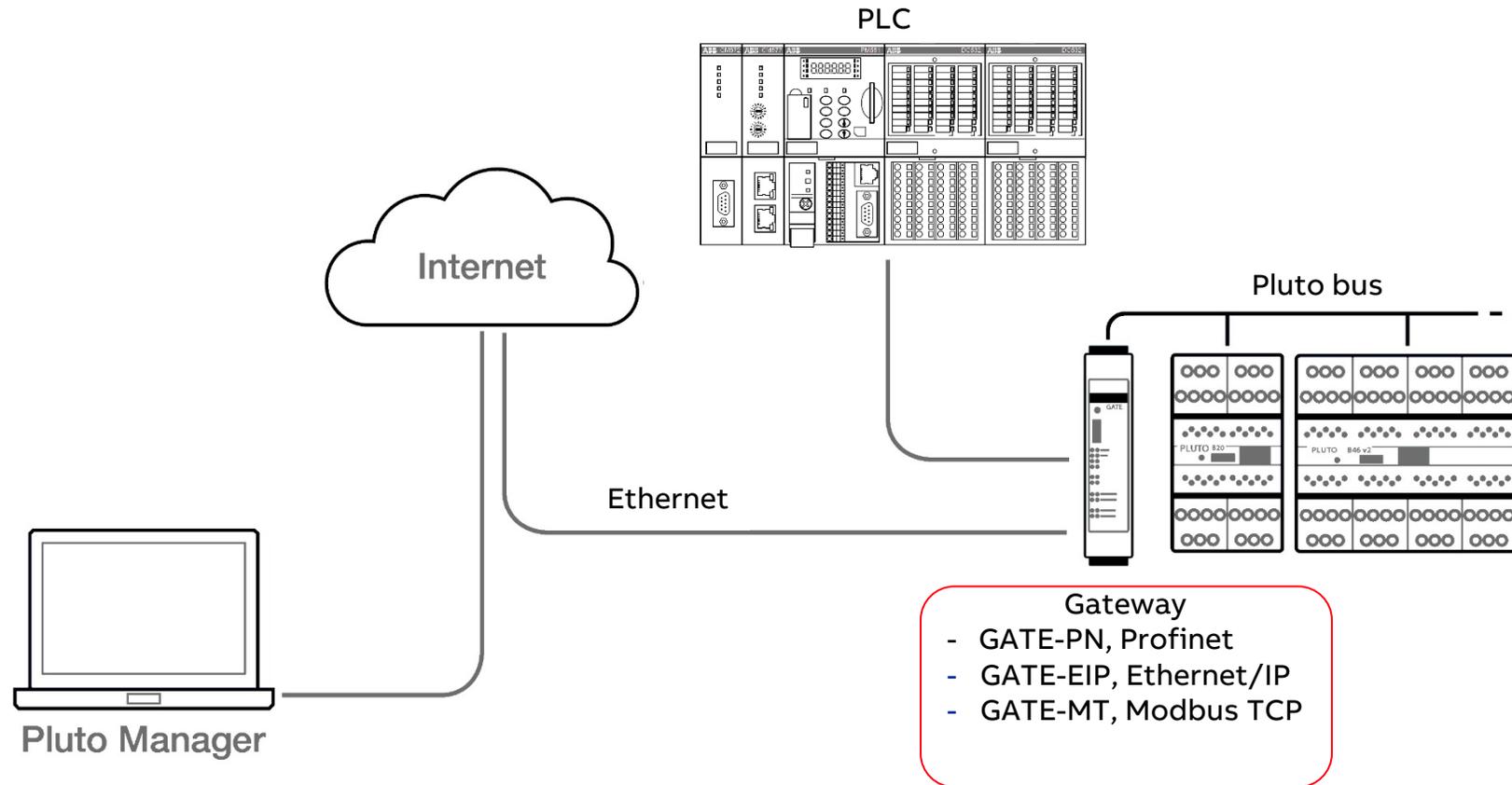
# Pluto Gateway – remote monitoring and control

Gateway used for remote operation only



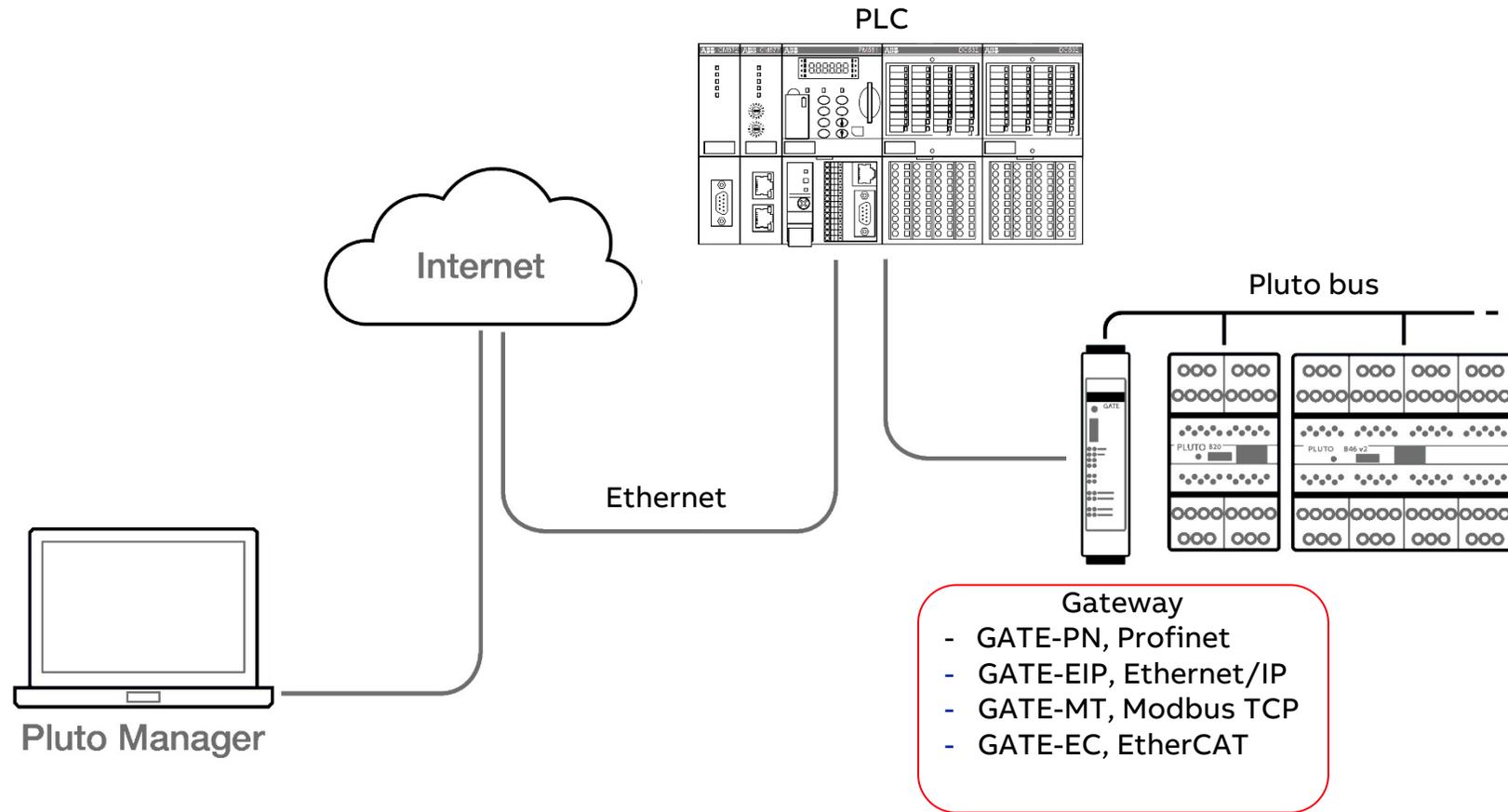
# Pluto Gateway – remote monitoring and control

Remote operation combined with field bus communication



# Pluto Gateway – remote monitoring and control

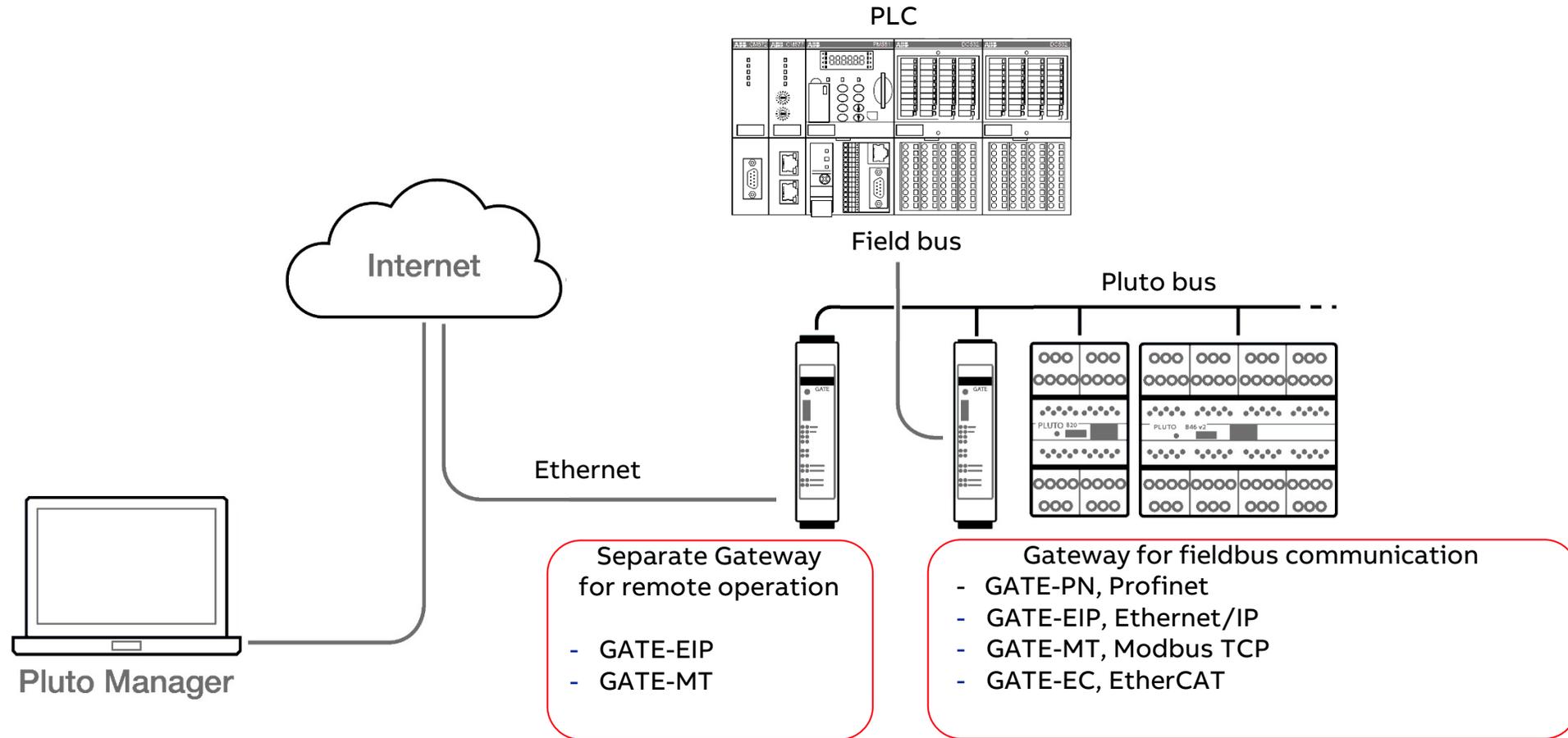
Remote operation via field bus master



Note:  
For EtherCAT this  
is the only solution

# Pluto Gateway – remote monitoring and control

Separate gateways for remote operation and fieldbus communication



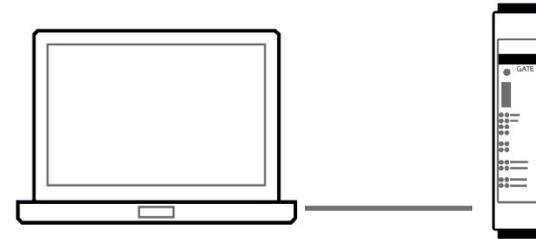
# Pluto Gateway – remote monitoring and control

Enable remote monitoring in gateway

## Gateway configuration

- Remote monitoring is enabled via the PC-port of the gateway.
- Use Pluto Manager -> Tools -> Terminal window
- Type: "remote" ....
- Select Control/Monitoring or Monitoring only.

NOTE: The selection for remote operation can never be changed via Ethernet. The reason is that it shall only be possible to enable or change by persons physically located by the system.



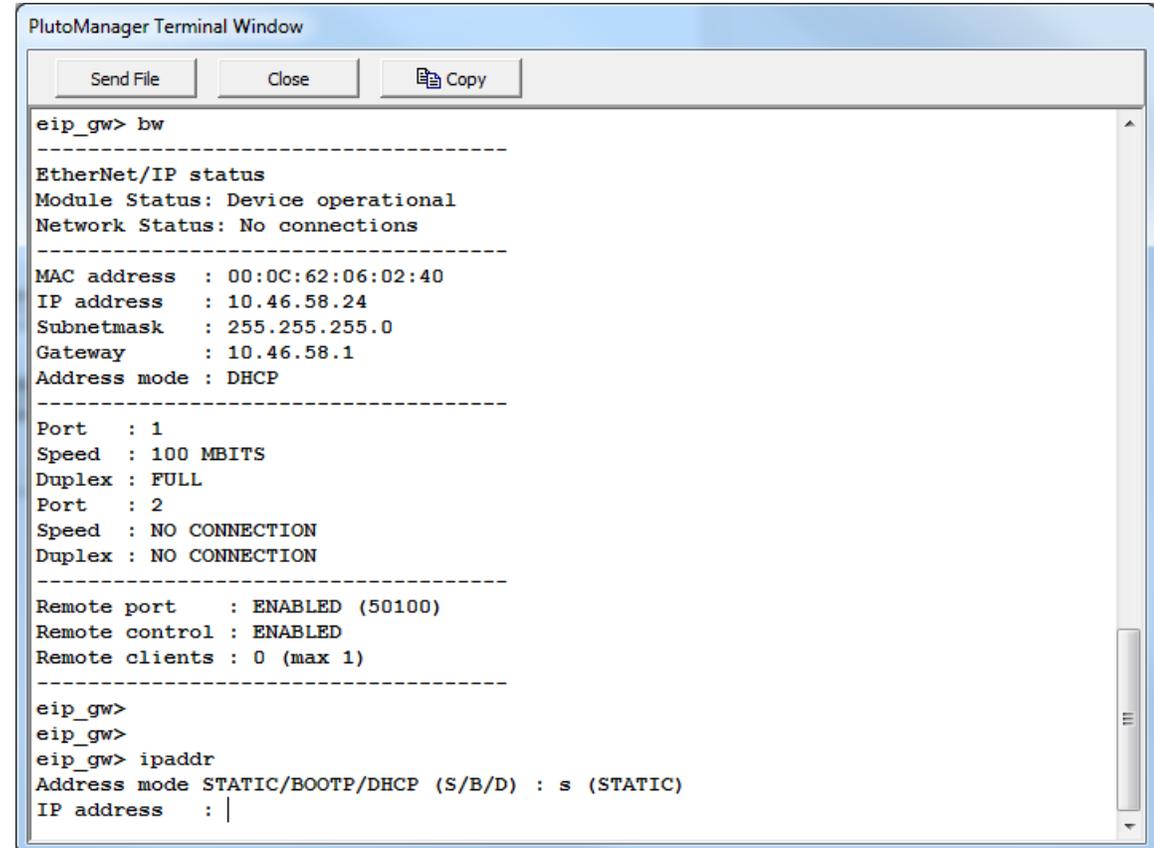
```
PlutoManager Terminal Window
Send File  Close  Copy
eip_gw>
eip_gw>
eip_gw> remote
Current setting is:
  Remote control/monitoring of Pluto system is enabled.

Select to change remote handling:
  1: Enable remote control/monitoring of Pluto system.
  2: Enable remote monitoring of Pluto system.
  3: Disable remote handling of Pluto system.
Select (number and enter): |
```

# Pluto Gateway – remote monitoring and control

## Gateway configuration via PC-port

- Check IP address with command "bw"
- Change or set IP address with command "ipaddr" (for GATE-EIP and -MT)

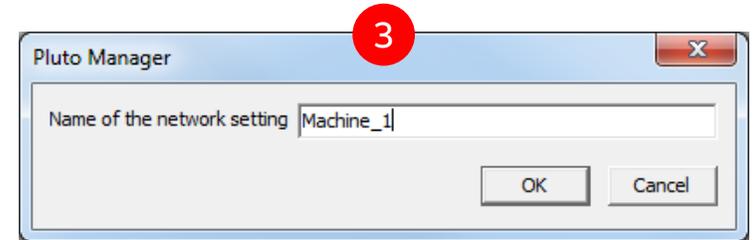
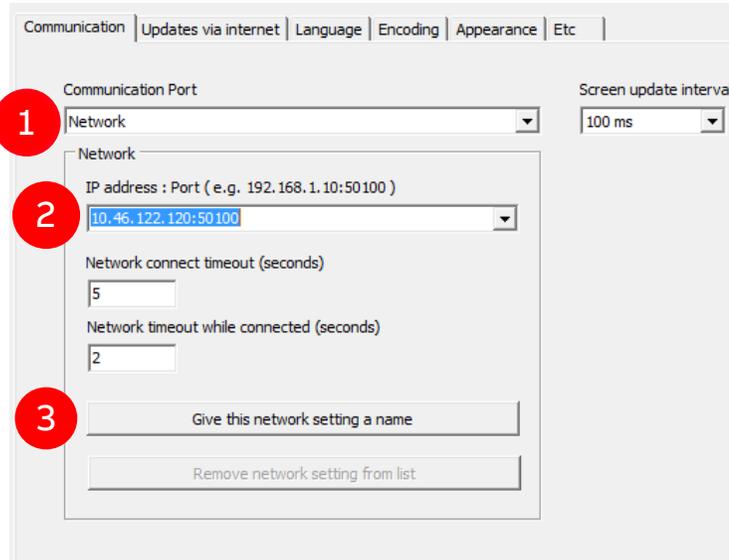


```
PlutoManager Terminal Window
-----
eip_gw> bw
-----
EtherNet/IP status
Module Status: Device operational
Network Status: No connections
-----
MAC address   : 00:0C:62:06:02:40
IP address    : 10.46.58.24
Subnetmask    : 255.255.255.0
Gateway       : 10.46.58.1
Address mode  : DHCP
-----
Port   : 1
Speed  : 100 MBITS
Duplex : FULL
Port   : 2
Speed  : NO CONNECTION
Duplex : NO CONNECTION
-----
Remote port   : ENABLED (50100)
Remote control : ENABLED
Remote clients : 0 (max 1)
-----
eip_gw>
eip_gw>
eip_gw> ipaddr
Address mode STATIC/BOOTP/DHCP (S/B/D) : s (STATIC)
IP address   : |
```

# Pluto Gateway – remote monitoring and control

## Pluto Manager configuration

1. Select Network as Communication port.
2. Enter IP address for the gateway. Default port is 50100.
3. The connection can be named and stored.
4. The setup can then be selected in the list.



# Pluto Gateway – remote monitoring and control

## Minimum software versions needed for remote monitoring and control

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GATE-EIP: ver 2.15

GATE-EC: ver 1.3

GATE-PN: ver 1.2

GATE-MT: ver 1.2

Pluto Manager 2.34

**ABB**