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## Viewing the MAC/HW address of a meter

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### Summary

Sometimes it is necessary for a user to know the MAC address of the meter with Ethernet option if they are behind a firewall and need to filter only specific meters to send and receive data over the network.

MAC address is also called Hardware address

### Keywords

MAC address

HW address

Hardware address

### Resolution

Following steps will explain how to find the MAC address of a meter using the DOS command.

### Workaround

Procedure to view meters MAC number: -

- Select 'Run' from Start
- type cmd
- In DOS prompt type TELNET XXX.XXX.XX.XX --> The meter IP address.
- Enter your meter name and password.
- Type "?" without the quotes to open the menu.
- Select 1.Ethernet settings from the menu.
- Select 1.Display current settings from the menu.
- This should give you the MAC address of the meter.

The MAC address is called 'HW address' and looks as shown below.

```
C:\WINDOWS\system32\cmd.exe
Current settings programmed and in use:
IP address in use      10.168.68.20
Subnet Mask in use    255.255.248.0
Gateway address in use 10.168.64.1
SMTP address in use   10.168.72.192
HW address            00607800098f
Firmware revision     8500U262

Current connections
CMM Physical Protocol To Host
CMM1 RS485 ION
CMM2 RS485 Modbus Master
CMM3 IRDA ION
ETH1 Ethernet ION 10.168.67.59
ETH1 Ethernet Telnet 10.168.67.59
ETH1 Ethernet Not in use
ETH1 Ethernet Not in use

8500>
Goodbye.

Connection to host lost.
C:\Documents and Settings\alij>
```

### More Information

A MAC address, short for Media Access Control address is a unique code assigned to most forms of networking hardware. This is a unique identifier specific to the network card inside the meter. It allows the DHCP server to authenticate that the meter is allowed to access the network. MAC Addresses are of the form XX-XX-XX-XX-XX-XX, where the X's are either digits or letters from AF.

It is also known as hardware address.