

NUT with SNMP UPS

APC UPS 3000XL + AP9617 UPS Network Management Card

```
apt-get install nut-snmp
```

UPS Network Management Card

Enable SNMP v1 Read only access for community 'public'

NUT config

UPS config

[/etc/nut/ups.conf](#)

```
[UPS3000XL]
driver = snmp-ups
port = 192.168.64.22
desc = "Smart-UPS 3000 XL"
```

Try to start driver:

```
systemctl start nut-driver.service
```

```
lip 07 11:31:05 nut upsdrvctl[23315]: No matching MIB found for sysOID
'.1.3.6.1.4.1.318.1.3.2.7'!
lip 07 11:31:05 nut upsdrvctl[23315]: Please report it to NUT developers,
with an 'upsc' output for your device.
lip 07 11:31:05 nut upsdrvctl[23315]: Going back to the classic MIB
detection method.
lip 07 11:31:05 nut upsdrvctl[23315]: Detected Smart-UPS 3000 XL on host
192.168.64.22 (mib: apcc 1.2)
```

And make driver start permanent:

```
systemctl enable nut-driver.service
```

Local UPS monitor

[/etc/nut/upsd.users](#)

```
[local_mon]  
password = local_mon_pass  
upsmon master
```

[/etc/nut/upsmon.conf](#)

```
MONITOR UPS3000XL@localhost 1 local_mon local_mon_pass master  
MINSUPPLIES 1  
NOTIFYCMD /etc/nut/notifycmd.sh  
POLLFREQ 5  
POLLFREQUALERT 5  
HOSTSYNC 15  
DEADTIME 15  
  
NOTIFYFLAG ONLINE<----->SYSLOG+WALL+EXEC  
NOTIFYFLAG ONBATT<----->SYSLOG+WALL+EXEC  
NOTIFYFLAG LOWBATT<---->SYSLOG+WALL+EXEC  
NOTIFYFLAG FSD<><----->SYSLOG+WALL+EXEC  
# NOTIFYFLAG COMMOK<--->SYSLOG+WALL  
# NOTIFYFLAG COMMBAD<-->SYSLOG+WALL  
NOTIFYFLAG SHUTDOWN<--->SYSLOG+WALL+EXEC  
# NOTIFYFLAG REPLBATT<-->SYSLOG+WALL  
# NOTIFYFLAG NOCOMM<--->SYSLOG+WALL  
# NOTIFYFLAG NOPARENT<-->SYSLOG+WALL  
  
RBWARNTIME 43200  
NOCOMMWARNTIME 300  
FINALDELAY 5
```

[/etc/nut/nut.conf](#)

```
MODE=netserver
```

Start all services:

```
systemctl enable --now nut-server.service  
systemctl enable --now nut-monitor.service
```

Test with client:

```
upsc UPS3000XL
```

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