

# [EN] Equipment SNMP settings configuration & check in FMS / gFMS - Quick Guide, Rev. 4

## Equipments:

1. Eltek
2. Megmeet
3. DPC
4. Teltonika
5. Huawei
6. Emerson

## SNMP Servers IP address:

1. Romania: 172.19.0.2
  2. Niger: 172.19.1.2
- \* the server from Niger is used only for sites from Niger.  
\*\* the server from Romania is used for all the systems all over the world, except the systems from Niger.

## SNMP settings setup & checking workflow:

1. Set equipment's network settings
2. Set equipment's SNMP settings
3. Check equipment's status & data in FMS / gFMS

## Step 1 - Set the equipment's network settings

## Step 2 - Set the equipment's SNMP settings

### 2.1. ELTEK - Smartpack WEB/SNMP, P/N: 242100.118

#### Network Config > SNMP > SNMP Trap Configuration

##### NMS Trap Receiver IP Address

Trap Receiver Address 1: "SNMP Server IP address"

##### Trap Community Strings

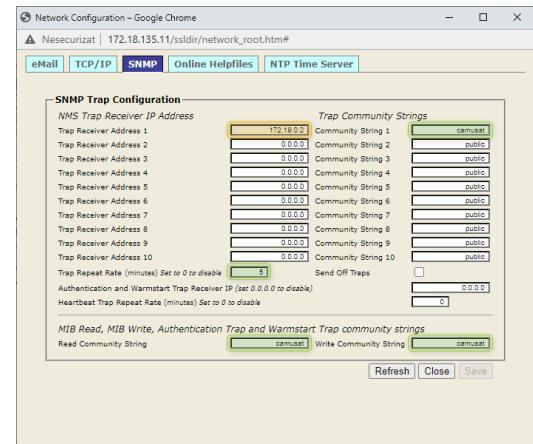
Community String 1: camusat

Trap Repeat Rate (minutes) Set to 0 to disable: 5

##### MIB Read, MIB Write, Authentication Trap and Warmstart Trap community strings

Read Community String: camusat

Write Community String: camusat



### 2.2. ELTEK - Smartpack R, P/N: 242100.120

#### System Conf. > Device Settings > SNMP Settings > Configuration

##### General SNMP Configuration

Inhibit Traps: Disable

Send Off Traps: Enable

Generate trap and inventory log when trap receiver is changed: Disable

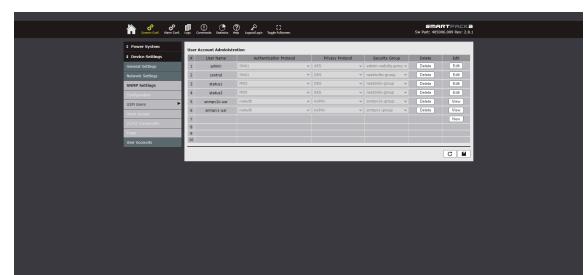
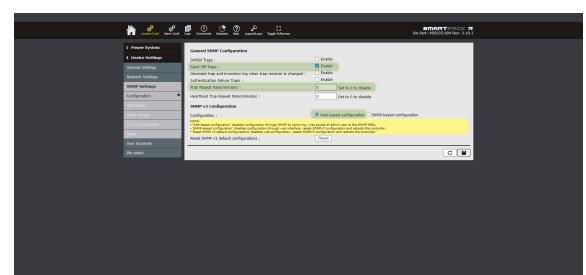
Authentication Failure Traps: Disable

Trap Repeat Rate(minutes): 5

Heartbeat Trap Repeat(minutes): 0

##### SNMP v3 Configuration

Configuration: Web-based configuration



#### System Conf. > Device Settings > SNMP Settings > USM Users

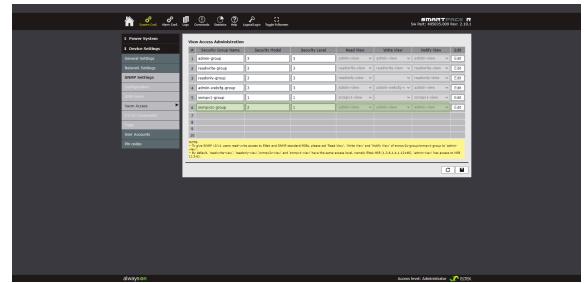
(default configuration)

## 2.2. ELTEK - Smartpack R P/N: 242100.120 (continuation)

### System Conf. > Device Settings > SNMP Settings > Vacd Access

#### View Access Administration

admin-group: (default configuration)  
 readwrite-group: (default configuration)  
 readonly-group: (default configuration)  
 admin-webcfg-group: (default configuration)  
 snmpv1-group: (default configuration)  
 snmpv2c-group:  
 Security Model: 2  
 Security Level: 1  
 Read View: admin-view  
 Write View: admin-view  
 Notify View: admin-view



### System Conf. > Device Settings > SNMP Settings > V1/V2 Community

#### Community String Configuration

1. Create a new configuration:

Community Name: camusat

User Name: snmpv2c/usr

Trap Format: v2c

Select Security Model

MP Model  v2c  v1

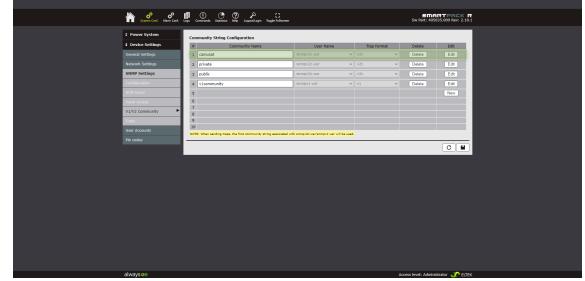
[Continue...](#)

SNMP v1/v2c Community

Security Model v2c v1

User Name

Community Name



### System Conf. > Device Settings > SNMP Settings > Traps

#### Trap Receiver Administration

1. Create a new configuration:

IP Address: "SNMP Server IP address"

Port Number: 162

SNMP Version: v2c

Trap Community: camusat

USM User Name: (blank)

Trap profile configuration

IP Model  v3  v2c  v1

Target IP Address

Target IP Port

Select Community String

Community Name

Select Message Processing Model

MP Model  v2  v2c  v1

[Continue...](#)



## 2.3. ELTEK - Smartpack S, P/N: 242100.415

### System Conf. > Device Settings > SNMP Settings

#### General SNMP Configuration

Inhibit Traps: Disable

Send Off Traps: Enable

Trap Repeat Rate(minutes): 5

Heartbeat Trap Repeat(minutes): 0



#### SNMP v3 Configuration

Configuration: Web-based configuration



### System Conf. > Device Settings > SNMP Settings > USM Users

(default configuration)



### System Conf. > Device Settings > SNMP Settings > Vacm Access

#### View Access Administration

admin-group: (default configuration)

readwrite-group: (default configuration)

readonly-group: (default configuration)

admin-webcfg-group: (default configuration)

snmpv1-group: (default configuration)

snmpv2c-group:

  Security Model: 2

  Security Level: 1

  Read View: admin-view

  Write View: admin-view

  Notify View: admin-view



### System Conf. > Device Settings > SNMP Settings > V1/V2 Community

#### Community String Configuration

1. Create a new configuration:

Community Name: camusat

User Name: snmpv2c-usr

Trap Format: v2c



### System Conf. > Device Settings > SNMP Settings > Traps

#### Trap Receiver Administration

1. Create a new configuration:

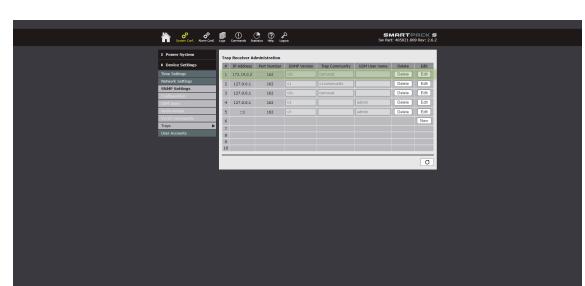
IP Address: "SNMP Server IP address"

Port Number: 162

SNMP Version: v2c

Trap Community: camusat

USM User Name: (blank)



## 2.4. Megmeet - MC2600

### 2.4.1. FW: 9.02150205

#### Communication > Communication Settings

Trap Address 1: 172.19.0.2

Trap Address 2: 0.0.0.0

Read Community: camusat

Write Community: camusat

DC Voltage:53.28V	Load Curr:0A	Batt Curr:28.75A	Battery Mode:Board	Alarm State: Major
Communication Information				
IP Settings				
dcinput dDiesel dDC dFuelLevel dBattery dCharge dVd dTest dTemperature dHSICM dHeat Exchange dECO dCommunication dAlarm dActive Alarm dHistory Alarm dHistory Data Log dBattery Log dAlarm Config dSystem dUp/Download	MAC Address: 9C-95-0E-53-5A-56	IP Address: 172.18.201.35	Subnet Mask: 255.255.255.248	Gateway Address: 172.18.201.33
Communication Settings				
Trap Address 1: 172.19.0.2	Set	Trap Address 2: 0.0.0.0	Set	
Comm Addr: 1	Set	9600	Set	
Read Community: camusat	Set	Reset SNMP Trap:	Set	
Write Community: camusat	Set	Enterprise: 40211	Set	
Manufacturer: MEGMEET	Set			
USART Settings				
RS485-1: BMS	RS485-2: Ext.Temp	BS485-2	BMS	Set

## 2.5. DPC - SC501

### 2.5.1. Software Version: V210 / Web Version: V210

#### SYSTEM SETTING > COMMUNICATION SETTINGS > SNMP SETTING

##### SNMP Setting

**Agent Port:** 161

**Trap Port:** 162

**Get Community:** camusat

**Set Community:** camusat

**Trap Enable:** Enable

**Trap Version:** V2

**Trap interval time (min):** 5

**Trap Address 1:** 172.19.0.2

**Trap Address 1 Community:** camusat

**Trap Address 2:** default value

**Trap Address 2 Community:** default value

...

**Trap Address 20:** default value

**Trap Address 20 Community:** default value

##### Trap Content

**Alarm Index:** Checked

**Alarm Level:** Checked

**Alarm Related Relay Place:** Checked

**Alarm Sound:** Checked

**Alarm Status:** Checked

**Site ID:** Un-Checked

**Site Address:** Un-Checked

**Alarm Time:** Checked

**Alarm Type:** Checked

**Alarm Related Relay:** Checked

**Alarm Module ID:** Checked

**Alarm Name:** Checked

**Site Name:** Checked

The screenshot shows the 'SNMP Setting' tab selected in the top navigation bar. The main area contains several input fields and dropdown menus. A red box highlights the 'Trap Content' section, which lists various alarm-related parameters each with a checked checkbox.

Trap Content Item	Value
Alarm Index	<input checked="" type="checkbox"/>
Alarm Level	<input checked="" type="checkbox"/>
Alarm Related Relay Place	<input checked="" type="checkbox"/>
Alarm Sound	<input checked="" type="checkbox"/>
Alarm Status	<input checked="" type="checkbox"/>
Site ID	<input type="checkbox"/>
Site Address	<input type="checkbox"/>

## 2.6. DPC - SC503

### 2.6.1. Software Version: V111 / Web Version: V110 / System Version: V106 / Hardware Version: C.0.1

#### SYSTEM SETTINGS > COMMUNICATION SETTINGS > SNMP

##### SNMP Setting

**SNMP Version:** V2

**Agent Port:** 161

**Get Community:** camusat

**Set Community:** camusat

##### SNMPv3 Setting

default settings

##### SNMP Trap Setting

**ID:** 1

**Trap Enable:** Enable

**IP Address:** 172.19.0.2

**Port:** 162

**Version:** V2

**Username/Community:** camusat

**Trap Interval (min):** 5

**Alarm Index:** Enable

**Alarm Level:** Enable

**Alarm Related Relay:** Enable

**Alarm Sound:** Enable

**Alarm Status:** Enable

**Alarm Time:** Enable

**Alarm Type:** Enable

**Alarm Module ID:** Enable

**Alarm Name:** Enable

**Site ID:** Enable

**Site Name:** Enable

**Site Address:** Enable

The screenshot shows the Hi.admin web interface with the following details:

- Header:** Hi.admin 2024-03-12 12:18:39, Run Information, Connect, Battery Status: Float, Operate Mode: Auto, ECO Mode: Halting, Language, Style, Help.
- Left Sidebar:** Quick Settings, AC Settings, Module Settings, Battery Parameter Settings, Charge Management Settings, ECO Settings, LVD Settings, Hybrid Settings, Temperature Settings, DIO/DI Settings, Alarm Settings, Communication Settings (selected), Component Settings, PLC Settings, Modbus Host, Modbus Server.
- Current Page:** Home > System Setting > Communication Setting.
- Content Area:**
  - SNMP Setting:** Version V2, Agent Port 161, Get Community camusat, Set Community camusat.
  - SNMPv3 Setting:** (Table) ID: 1, User Name: camusat, Auth Protocol: MD5, Auth Password: (redacted), Privacy Protocol: AES, Privacy Password: (redacted). No matching records found.
  - SNMP Trap Setting:** (Table) ID: 1, Trap Enable: Enable, IP Address: 172.19.0.2, Port: 162, Version: V2, Username/Community: camusat.
    - Trap Interval Time(min):** 5 (0 ~ 65535).
    - Trap Options:** Alarm Index (Enable), Alarm Level (Enable), Alarm Related Relay (Enable), Alarm Sound (Enable), Alarm Status (Enable), Alarm Time (Enable), Alarm Type (Enable), Alarm Module ID (Enable), Alarm Name (Enable), Site ID (Disable), Site Name (Disable), Site Address (Disable).

## 2.7. TELTONIKA - RUTXXX

### 2.7.1. FW: RUT9\_R\_00.07.04.5

#### SERVICES > SNMP > SNMP Settings

##### SNMP AGENT SETTINGS

**Enable SNMP service:** On

**Enable remote access:** Off

**IP family:** IPv4

**Port:** 161

**SNMP v1 mode:** Off

**SNMP v2c mode:** On

**SNMP v3 mode:** On

The screenshot shows the 'SNMP AGENT SETTINGS' section with 'Enable SNMP service' checked and 'IP Family' set to 'IPv4'. It also shows the 'SNMP SYSTEM SUMMARY' section with 'SNMPv1' and 'SNMPv2c' disabled, and 'SNMPv3' enabled. The 'System ID' is set to '123.45.11.40000'.

##### SNMP SYSTEM SUMMARY

default settings

#### SERVICES > SNMP > SNMP V3 Users

default settings

#### SERVICES > SNMP > Communities

##### SNMP COMMUNITY

1.

**Community Name:** camusat

**IP Address:** 10.0.0.0

**IP Mask:** 8

**Access Mode:** Read-Only

The screenshot shows the 'SNMP COMMUNITY' table with two entries: 'camusat' (IP 10.0.0.0, IP MASK 8, Access Mode Read-Only) and 'public' (IP 172.19.0.0, IP MASK 24, Access Mode Read-Only). Below it is the 'SNMPV3 COMMUNITY' table with two entries: 'public' (Source default, Access Mode Read-Only) and 'private' (Source default, Access Mode Read-Only).

##### SNMPV6 COMMUNITY

default settings

#### SERVICES > SNMP > Trap Settings

##### TRAP SERVICE SETTINGS

**Enable:** On

**Host:** 172.19.0.2

**Port:** 162

**Community:** camusat

The screenshot shows the 'TRAP SERVICE SETTINGS' section with 'Enable' checked, 'Host' set to '172.19.0.2', 'Port' set to '162', and 'Community' set to 'camusat'. Below it is the 'TRAP RULES' section, which contains a single rule for 'Digital Input (1)'.

##### TRAP RULES

1.

**Trap Type:** Input/Output

**Trigger:** Digital Input (1)

**Enable:** On

## 2.8. HUAWEI - SMU02C

### 2.8.1. SW: iSitePower V100R021C10SPC208 / HW: B

#### System Settings > SNMP > SNMP

##### SNMP

**SNMP Version:** SNMPv1&SNMPv2c

**SNMP Port Number:** 161

**Change SNMP Community:** Un-Checked

**Read community:** camusat1

**Write community:** camusat2

##### SNMP Trap

1.

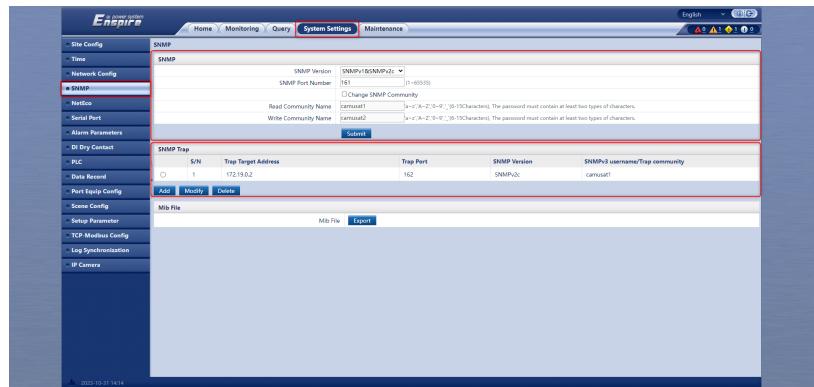
S/N: 1

**Trap Target Address:** 172.19.0.2

**Trap Port:** 161

**SNMP Version:** SNMPv2c

**SNMPv3 username/Trap community:** camusat1



## 2.9. EMERSON / VERTIV - M830B

### 2.9.1. SW: 2.1.50 / HW: A09

#### Advanced Settings > SNMP

**Accepted Trap Level:** All Alarms

#### NMSV2 Configuration

1.

**NMS IP:** 172.19.0.2

**Public Community:** camusat

**Private Community:** camusat

**Trap Enabled:** Enabled

2.

**NMS IP:** 172.19.0.48

**Public Community:** camusat

**Private Community:** camusat

**Trap Enabled:** Enabled

### 2.9.2. SW: 3.2.00 / HW: A12

#### Advanced Settings > SNMP

**Accepted Trap Level:** All Alarms

#### NMSV2 Configuration

1.

**NMS IP:** 172.19.0.2

**Public Community:** camusat

**Private Community:** camusat

**Trap Enabled:** Enabled

2.

**NMS IP:** 172.19.0.48

**Public Community:** camusat

**Private Community:** camusat

**Trap Enabled:** Enabled

### Step 3 - Check if the equipment send data to FMS / gFMS

#### FMS / gFMS

#### Menu > LIVE > LIVE Sites

3.1.1. Check if the communication powercore status is **Online**.

3.1.2. Check if there are data in the columns: Battery voltage, Battery Current, Load Current, Solar Current (\*).

3.2. Check in the **Inventory > Monitoring > IP Manager** if the equipment was discovered.

3.3. Check the data graphs.

\* letter P & M near the parameters values indicate the source of the data:

- P = powercore;

- M = power meters.



## **Troubleshooting:**

TBD

## **Change log:**

Rev. 0 - 30.04.2023 - Initial release.

Rev. 1 - 10.05.2023 - +++) Eltek controller Smartpack R, P/N: 242100.120

Rev. 2 - 24.07.2023 - +++) Eltek controller Smartpack S, P/N: 242100.415

Rev. 3 - 12.03.2024 - +++) Megmeet MC2600 FW: 9.02150205; DPC DC501; DPC SC503; Teltonika RUTXXX (Ex: RUT955, RUT956, etc.) FW: RUT9\_R\_00.07.04.5; Huawei SMU02C.

Rev. 4 - 18.03.2024 - +++) Emerson / Vertiv M830B FW: 2.1.50