

# **Online Controller MIB table guide**

- Description of Online Controller MIB table**
- MIB table implementation to SNMP Network Manager**

# 1. Description of Online Controller MIB table

This section of guide contains a description of Online Controller MIB table – KLIMANETD11.mib

Path to the Online Controller MIB:

**iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).TTC-TELECOM(19581).KLIMANETD11(8)**

OID (object identifiers) - numerical equivalent of path to the Online Controller MIB: **1.3.6.1.4.1.19581.8**

## Table description:

- **Basic, SNMP** – text on the gray background - means group/directory of Online Controller variables
- 1. Column (**OID**) contains end of OID (**.X.Y**) – the numbers which follow by **1.3.6.1.4.1.19581.8** - number 1.3.6.1.4.1.19581.8.**X.Y** determines variable which is defined for Online Controller
- 2. Column (**Object Name**) – the name of variable
- 3. Column (**Object Type**) – the type of variable
- 4. Column (**Access**) – rights of access for variable: RO – ReadOnly, RW – ReadWrite
- 5. Column (**Enumerations**) – range of value which can variable acquired
- 6. Column (**Description**) – description of variable
- 7. Column (**Main (remote easy) analogy**) – analogy view or possibility to change of variables on Main (remote easy) web page of Online Controller
- 8. Column (**Main (remote nice) analogy**) – analogy view or possibility to change of variables on Main (remote nice) web page of Online Controller
- 9. Column (**Settings analogy**) – analogy view or possibility to change of variables on Online Controller settings web page

OID	Object Name	Object Type	Access	Enumerations	Description	Main (remote easy) analogy	Main (remote nice) analogy	Settings analogy
<b>Basic</b>								
.1.1	CommAgentVsAircom	Integer	RO	1=CommOK / 0=CommERR	Communication of Online Controller with Air Conditioning			
.1.2	OnOffAirCon	Integer	RW	49=On / 48=Off / 254=Changing / 255=None	Switch ON and Switch OFF of Air Conditioning	ON / OFF selectbox	Switched ON / OFF button	
.1.3	Mode	Integer	RW	48=Auto / 50=Dry / 51=Cool / 52=Heat / 54=OnlyFun / 254=Changing / 255=None	Control of Mode settings of Air Conditioning	Mode selectbox	Mode button	
.1.4	SetTemp	Integer	RW	48=C10 / 50=C11 / 52=C12 / 54=C13 / 56=C14 / 58=C15 / 60=C16 / 62=C17 / 64=C18 / 66=C19 / 68=C20 / 70=C21 / 72=C22 / 74=C23 / 76=C24 / 78=C25 / 80=C26 / 82=C27 / 84=C28 / 86=C29 / 88=C30 / 254=Changing / 255=None	Required temperature setting of air conditioning	Set Temp selectbox	- and + temperature buttons	
.1.5	Fan	Integer	RW	51=F1 / 52=F2 / 53=F3 / 54=F4 / 55=F5 / 65=Auto / 254=Changing / 255=None	Required fan speed setting	Fan selectbox	- and + fan buttons	
.1.6	Swing	Integer	RW	49=On / 48=Off / 254=Changing / 255=None	Control of Swing ON and Swing OFF	Swing selectbox	Swing button	
.1.7	RoomTemp	Display String	RO	+/+ temperature in °C	Display of measured temperature	Room field	Temperature indicator IN	
.1.8	Timer	Integer	RW	48=OffOff / 49=OnOff / 50=OffOn / 51=OnOn / 254=Changing / 255=None	Timer Control of Air Conditioning - for detection of Timer function set via remote control and with possibility to switch OFF this function	Timer selectbox		
.1.9	Remote	Integer	RW	48=Enable / 54=Disable / 254=Changing / 255=None	Enable or disable of IR remote controller of air conditioning			System / IR remote controller
.1.10	Status	Display String	RO	String	Display of communication status and errors	Status field		
.1.11	WebName	Display String	RW	String	Required name of Air Conditioning			System / Unit name

SNMP							
.20.1	MAC_Address	Octet String	RO	00 50 c2 38 xx xx	MAC address in hexadecimal		Network / MAC address
.20.2	IP_Address	IP Address	RW	255.255.255.255	IP address in decimal		Network / IP address
.20.3	SubNet_Mask	IP Address	RW	255.255.255.255	Subnet mask in decimal		Network / Subnet mask
.20.4	Def_Gateway	IP Address	RW	255.255.255.255	Default gateway in decimal		Network / Default gateway
.20.5	Address1Trap	IP Address	RW	255.255.255.255	IP address in decimal where SNMP trap messages are sent		SNMP / Trap dest. IP addr. 1
.20.6	Address2Trap	IP Address	RW	255.255.255.255	IP address in decimal where SNMP trap messages are sent		SNMP / Trap dest. IP addr. 2
.20.7	Address3Trap	IP Address	RW	255.255.255.255	IP address in decimal where SNMP trap messages are sent		SNMP / Trap dest. IP addr. 3
.20.8	Address4Trap	IP Address	RW	255.255.255.255	IP address in decimal where SNMP trap messages are sent		SNMP / Trap dest. IP addr. 4
.20.9	EnaDisTrap	Integer	RW	0=Disabled / 1=Enabled	Control of not sending or sending traps		SNMP / Trap sending
.20.10	Trap1Config	Display String	RW	none / aimotcom / airerr / delta>(t) / srnotcom	to setup events which can generate SNMP messages		Event configuration / Event 1 config
.20.11	Trap2Config	Display String	RW	none / aimotcom / airerr / delta>(t) / srnotcom	to setup events which can generate SNMP messages		Event configuration / Event 2 config
.20.12	Trap3Config	Display String	RW	none / aimotcom / airerr / delta>(t) / srnotcom	to setup events which can generate SNMP messages		Event configuration / Event 3 config
.20.13	Trap4Config	Display String	RW	none / aimotcom / airerr / delta>(t) / srnotcom	to setup events which can generate SNMP messages		Event configuration / Event 4 config
.20.14	Trap5Config	Display String	RW	none / aimotcom / airerr / delta>(t) / srnotcom	to setup events which can generate SNMP messages		Event configuration / Event 5 config
.20.15	Trap6Config	Display String	RW	none / aimotcom / airerr / delta>(t) / srnotcom	to setup events which can generate SNMP messages		Event configuration / Event 5 config
.20.16	Trap7Config	Display String	RW	none / aimotcom / airerr / delta>(t) / srnotcom	to setup events which can generate SNMP messages		Event configuration / Event 7 config
.20.17	Trap8Config	Display String	RW	none / aimotcom / airerr / delta>(t) / srnotcom	to setup events which can generate SNMP messages		Event configuration / Event 8 config
.20.18	Date_Agent	Display String	RW	Dd-mm-yyyy	Internal date of SNMP agent		
.20.19	Time_Agent	Display String	RW	hh:mm:ss	Internal time of SNMP agent		
.20.20	ReadCommunity	Display String	RW	String	Password for SNMP read access		SNMP / Read Community
.20.21	WriteCommunity	Display String	RW	String	Password for SNMP write access		SNMP / Write Community
.20.24	SntpServer	IP Address	R/W	255.255.255.255	IP address of SNTP server in decimal for utomatic time synchronization		
.20.25	SntpPoll	Integer		0=OFF / 3600=EVERY_1HOUR / 21600=EVERY_6HOUR / 43200=EVERY_12HOUR	Switch OFF / switch ON and time period setting for automatic time synchronization		

## 2. MIB table implementation to SNMP Network Manager

This section of guide contains some conditions of implementation of Online Controller MIB table – KlimaNETD11.mib to SNMPc Network Manager (Castle Rock Computing Inc.) and graphical display of MIB parameters in the tables of SNMPc Network Manager.

For correct functionality of Online Controller SNMP management is needed:

1. to import **KlimaNETD11.mib** and **ttcbasic.mib** files to SNMPc Network Manager
2. to compile both of them

Graphical display of MIBs parameters in the SNMPc Network Manager is displayed on the next picture. On the left side of the picture is Online Controller MIB tree and on the right side are tables with variables and their values from Online Controller.

SNMPC Management Console

File Edit View Insert Manage Tools Config Window Help

KLIMANETD11

- BASIC
  - BASICInfo
    - CommAgentVsAircom
    - OnOffAirCon
    - Mode
    - SetTemp
    - Fun
    - Swing
    - RoomTemp
    - Timer
    - Remote
    - Status
    - WebName
  - SNMP
    - SNMPInfo
      - MAC\_Address
      - IP\_Address
      - SubNet\_Mask
      - Def\_Gateway
      - Address1Trap
      - Address2Trap
      - Address3Trap
      - Address4Trap
      - EnaDisTrap
      - Trap1 Config
      - Trap2 Config
      - Trap3 Config
      - Trap4 Config
      - Trap5 Config
      - Trap6 Config
      - Trap7 Config
      - Trap8 Config
      - Date\_Agent
      - Time\_Agent
      - ReadCommunity
      - WriteCommunity
      - SntpServer
      - SntpPoll
- KLIMANETD11-Traps
- KLIMANETD11Info

BCDAA07

Map Mib Trend Event Menu

BASICInfo (OC)

CommAgentVsAircom	CommOK	
OnOffAirCon	Off	
Mode	None	
SetTemp	None	
Fun	None	
Swing	Off	
Room Temp	27,5	
Timer	OffOff	
Remote	Enable	
Status	No Error :-)	
WebName	Controller1	

SNMPInfo (OC)

MAC_Address	00 50 c2 38 fb 75	
IP_Address	192.168.3.163	
SubNet_Mask	255.255.255.0	
Def_Gateway	192.168.3.254	
Address 1 Trap	0.0.0.0	
Address2Trap	0.0.0.0	
Address3Trap	0.0.0.0	
Address4Trap	0.0.0.0	
EnaDisTrap	Enabled	
Trap1Config	aimotcom	
Trap2Config	none	
Trap3Config	none	
Trap4Config	none	
Trap5Config	none	
Trap6Config	none	
Trap7Config	none	
Trap8Config	none	
Date_Agent	165-00-2000	
Time_Agent	00:00:03	
ReadCommunity	*****	
WriteCommunity	*****	
SntpServer	192.168.1.101	
SntpPoll	OFF	