


TANGO Device Server

RF_CABTF
User's Guide

RF_CABTF Class

Revision: release_1_0_3 - Author: elattaoui
Implemented in C++

Introduction:

through Profibus : handles 1 measure channel : raw value in Ohm physical value converted in ï¿½K or ï¿½C

Class Inheritance:

- Tango::Device_3Impl
  - RF_CABTF

Properties:

Device Properties		
Property name	**Property type**	**Description**
ProfibusServerName	Tango::DEV_STRING	device name of the Profibus Server
BoardNumber	Tango::DEV_LONG	number of the Profibus DP Hilsher card (from 0 to 3) default : 0
DPAddress	Tango::DEV_LONG	DP Address of the power supply from 1 to 125 DO NOT USE 0 , 126,127 reserved for the system! Default : 3
Group	Tango::DEV_LONG	Sync/Freeze Group groupe de sync/freeze parametre de 1 to 8. Default : 1
InputOffset	Tango::DEV_LONG	Memory offset of input data (seen by the master) offset mï¿½moire des entrï¿½es de l'esclave tel que dï¿½fini dans le configurateur Profibus
InputLength	Tango::DEV_LONG	ength in bytes of input data taille en octets de la totalitï¿½ des entrï¿½es de l'esclave tel que dï¿½fini dans le configurateur Profibus Ces donnï¿½es doivent ï¿½tre consï¿½cutives.
OutputOffset	Tango::DEV_LONG	Memory offset of output data (seen by the master) offset mï¿½moire dessorties de l'esclave tel que dï¿½fini dans le configurateur Profibus
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CABTFBoardNumber	Tango::DEV_LONG	numero de la carte CABTF 0 ou 1
CABTFChannel	Tango::DEV_LONG	numï¿½ro de voie dans le CABTF (0 a 7

Device Properties Default Values:

Property Name	**Default Values**
ProfibusServerName	No default value
BoardNumber	No default value
DPAddress	No default value
Group	No default value
InputOffset	No default value
InputLength	No default value
OutputOffset	No default value
OutputLength	No default value
CABTFBoardNumber	No default value
CABTFChannel	No default value

There is no Class properties.

Attributes:

Scalar Attributes			
Attribute name	**Data Type**	**R/W Type**	**Expert**
rawValue: raw value in Ohm	DEV_DOUBLE	READ	No
temperature: temperature either in Kelvin or Celsius	DEV_DOUBLE	READ	No

Commands:

More Details on commands....

Device Commands for Operator Level		
Command name	**Argument In**	**Argument Out**
Init	DEV_VOID	DEV_VOID
State	DEV_VOID	DEV_STATE
Status	DEV_VOID	CONST_DEV_STRING

1 - Init

- **Description:** This commands re-initialise a device keeping the same network connection.
  After an Init command executed on a device, it is not necessary for client to re-connect to the device.
  This command first calls the device *delete_device()* method and then execute its *init_device()* method.
  For C++ device server, all the memory allocated in the *nit_device()* method must be freed in the *delete_device()* method.
  The language device desctructor automatically calls the *delete_device()* method.

- **Argin:**
  DEV_VOID : none.

- **Argout:**
  DEV_VOID : none.

- **Command allowed for:**

2 - State

- **Description:** This command gets the device state (stored in its *device_state* data member) and returns it to the caller.
- **Argin:**
  DEV_VOID : none.
- **Argout:**
  DEV_STATE : State Code
- **Command allowed for:**

3 - Status

- **Description:** This command gets the device status (stored in its *device_status* data member) and returns it to the caller.
- **Argin:**
  DEV_VOID : none.
- **Argout:**
  CONST_DEV_STRING : Status description
- **Command allowed for:**




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- **Argout:**
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- **Command allowed for:**

2 - State

- **Description:** This command gets the device state (stored in its *device_state* data member) and returns it to the caller.
- **Argin:**
  DEV_VOID : none.
- **Argout:**
  DEV_STATE : State Code
- **Command allowed for:**

3 - Status

- **Description:** This command gets the device status (stored in its *device_status* data member) and returns it to the caller.
- **Argin:**
  DEV_VOID : none.
- **Argout:**
  CONST_DEV_STRING : Status description
- **Command allowed for:**

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Device Commands Description
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- **Argin:**
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- **Argout:**
  DEV_VOID : none.

- **Command allowed for:**

2 - State

- **Description:** This command gets the device state (stored in its *device_state* data member) and returns it to the caller.

- **Argin:**
  DEV_VOID : none.

- **Argout:**
  DEV_STATE : State Code

- **Command allowed for:**

3 - Status

- **Description:** This command gets the device status (stored in its *device_status* data member) and returns it to the caller.

- **Argin:**
  DEV_VOID : none.

- **Argout:**
  CONST_DEV_STRING : Status description

- **Command allowed for:**

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