

## SmarActMCSASCIICtrl Tango Cpp Class

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### SmarActMCSASCIICtrl Class Identification :

Contact : at desy.de - johannes.blume  
 Class Family : Motion  
 Platform : Unix Like  
 Bus : Not Applicable  
 Manufacturer : Smaract  
 Manufacturer :  
 ref. <http://www.smaract.de/index.php/products/controlsystems/mcs>

### SmarActMCSASCIICtrl Class Inheritance :

- [Tango::DeviceImpl](#)
  - SmarActMCSASCIICtrl

### SmarActMCSASCIICtrl Class Description :

Thin shell around the rs232/ethernet interface of smaract MCS controllers

### SmarActMCSASCIICtrl Properties :

There is no class properties

Device Properties			
Name	Description	Type	Default Value
HostName	Hostname / IP address of controller if connected via tcp/ip	String	""

DeviceFile	device file name if connecting via rs232	String	""
BaudRate	baud rate if connting via rs232	int	0
ConnectType	`net` for tcp/ip connection or `serial` for rs232 connection	String	""

SmarActMCSASCIICtrl Class Commands				
Name	Input type	Output type	Level	Description
<a href="#">State</a>	DEV_VOID	DEV_STATE	OPERATOR	This command gets the device state (stored in its device_state data member) and returns it to the caller.
<a href="#">Status</a>	DEV_VOID	CONST_DEV_STRING	OPERATOR	This command gets the device status (stored in its device_status data member) and returns it to the caller.
<a href="#">WriteRead</a>	DEVVAR_STRINGARRAY	DEV_STRING	OPERATOR	write command and return reply string

### **Command State :**

This command gets the device state (stored in its device\_state data member) and returns it to the caller.

State Definition		
Input Argument	Tango::DEV_VOID	none
Output Argument	Tango::DEV_STATE	Device state
DisplayLevel	OPERATOR	..
Inherited	true	..
Abstract	true	..
Polling Period	Not polled	..
Command allowed for	All states	..

### **Command Status :**

This command gets the device status (stored in its device\_status data member) and returns it to the caller.



Status Definition		
Input Argument	Tango::DEV_VOID	none
Output Argument	Tango::CONST_DEV_STRING	Device status
DisplayLevel	OPERATOR	..
Inherited	true	..
Abstract	true	..
Polling Period	Not polled	..
Command allowed for	All states	..

### **Command WriteRead :**

write command and return reply string

WriteRead Definition		
Input Argument	Tango::DEVVAR_STRINGARRAY	
Output Argument	Tango::DEV_STRING	
DisplayLevel	OPERATOR	..
Inherited	false	..
Abstract	false	..
Polling Period	Not polled	..
Command NOT allowed for	<ul style="list-style-type: none"> <li>• FAULT</li> <li>• INIT</li> </ul>	..

SmarActMCSASCIICtrl Class Attributes							
Name	Inherited	Abstract	Attr. type	R/W type	Data type	Level	Description
<a href="#">NumberOfUnits</a>	false	false	Scalar	READ	Tango::DEV_SHORT	OPERATOR	

**There is no dynamic attribute defined.**

**Attribute NumberOfUnits :**

Attribute Definition	
Attribute Type	Scalar
R/W Type	READ
Data Type	Tango::DEV_SHORT
Display Level	OPERATOR
Inherited	false
Abstract	false
Polling Period	Not polled
Memorized	Not set
Read NOT allowed for	<ul style="list-style-type: none"> <li>• FAULT</li> <li>• INIT</li> </ul>

Attribute Properties	
label	
unit	
standard unit	
display unit	
format	
max_value	
min_value	
max_alarm	
min_alarm	
max_warning	
min_warning	
delta_time	
delta_val	

Attribute Event Criteria	
Periodic	Not set
Relative Change	Not set
Absolute Change	Not set
Archive Periodic	Not set
Archive Relative Change	Not set
Archive Absolute Change	Not set
Push Change event by user code	false
Push Archive event by user code	false
Push DataReady event by user code	false

SmarActMCSASCIICtrl Class States	
Name	Description
FAULT	
ON	
INIT	