

## TR-064 Support – WANCommonInterfaceConfig

*Supported by AVM*

Author: AVM GmbH

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**1. urn:WANCIfConfig-com:serviceId:WANCommonInterfaceConfig1**

For details please refer the TR-064 document at

<https://www.broadband-forum.org/technical/download/TR-064.pdf>**2. History**

Date	Version	Changes
2012-02-13	10	Example values for WANAccessTypes. Spelling, format.
2015-11-20	11	Add action X_AVM-DE_GetOnlineMonitor
2016-08-05	12	Updated URL for TR-064 document
2017-08-24	13	Example values for X_AVM-DE_GetOnlineMonitor
2018-09-05	14	Added allowed values for parameter WANAccessType and PhysicalLinkStatus
2021-07-06	15	Added allowed value "unknown" for parameter WANAccessType Added action X_AVM-DE_GetActiveProvider Added parameter X_AVM-DE_Provider
2021-09-22	16	Added parameter X_AVM-DE_DownStreamCurrentUtilization, X_AVM-DE_UpstreamCurrentUtilization, X_AVM-DE_DownstreamCurrentMaxSpeed, X_AVM-DE_UpstreamCurrentMaxSpeed for GetCommonLinkProperties
2022-02-15	17	Added required rights for actions
2022-02-17	18	Added a tabelle to describe state variable for action X_AVM-DE_GetOnlineMonitor
2022-10-17	19	Added allowed value for AccessType
2023-01-20	20	Added description for actions GetTotalBytesSent, GetTotalBytesReceived, GetTotalPacketsSent and GetTotalPacketsReceived to clarify the counters

**3. Action List**

This chapter contains the supported actions of the service WAN common interface configuration which are listed incl. arguments.

## 4. GetCommonLinkProperties

Required rights: App, Phone, NAS or Homeauto

Argument name	Direction	Related state variable	Remarks
NewWANAccessType	out	WANAccessType	
NewLayer1UpstreamMaxBitRate	out	Layer1UpstreamMaxBitRate	
NewLayer1DownstreamMaxBitRate	out	Layer1DownstreamMaxBitRate	
NewPhysicalLinkStatus	out	PhysicalLinkStatus	
NewX_AVM-DE_DownstreamCurrentUtilization	out	X_AVM-DE_DownStreamCurrentUtilization	
NewX_AVM-DE_UpstreamCurrentUtilization	out	X_AVM-DE_UpstreamCurrentUtilization	
NewX_AVM-DE_DownstreamCurrentMaxSpeed	out	X_AVM-DE_DownstreamCurrentMaxSpeed	
NewX_AVM-DE_UpstreamCurrentMaxSpeed	out	X_AVM-DE_UpstreamCurrentMaxSpeed	

Table 1: Argument list of action GetCommonLinkProperties

## 5. GetTotalBytesSent

Returns the total number of bytes sent over all interfaces during their connection interval. If an interface establish a new connection, its counter gets reset to 0.

Argument name	Direction	Related state variable	Remarks
NewTotalBytesSent	out	TotalBytesSent	Needs IGD to work.

Table 2: Argument list of action GetTotalBytesSent

## 6. GetTotalBytesReceived

Returns the total number of bytes received over all interfaces during their connection interval. If an interface establish a new connection, its counter gets reset to 0.

Argument name	Direction	Related state variable	Remarks
NewTotalBytesReceived	out	TotalBytesReceived	Needs IGD to work.

Table 3: Argument list of action GetTotalBytesReceived

## 7. GetTotalPacketsSent

Returns the total number of packets sent over all interfaces during their connection interval. If an interface establish a new connection, its counter gets reset to 0.

Argument name	Direction	Related state variable	Remarks
NewTotalPacketsSent	out	TotalPacketsSent	Needs IGD to work.

Table 4: Argument list of action GetTotalPacketsSent

## 8. GetTotalPacketsReceived

Returns the total number of packets received over all interfaces during their connection interval. If an interface establish a new connection, its counter gets reset to 0.

Argument name	Direction	Related state variable	Remarks
NewTotalPacketsReceived	out	TotalPacketsReceived	Needs IGD to work.

Table 5: Argument list of action GetTotalPacketsReceived

## 9. X\_AVM-DE\_SetWANAccessType

Argument name	Direction	Related state variable	Remarks
NewAccessType	in	AccessType	

Table 6: Argument list of action X\_AVM-DE\_SetWANAccessType

## 10. X\_AVM-DE\_GetActiveProvider

Required rights : App or Phone

Argument name	Direction	Related state variable	Remarks
NewX_AVM-DE_Provider	out	X_AVM-DE_Provider	

Table 7: Argument list of action X\_AVM-DE\_GetActiveProvider

## 11. X\_AVM-DE\_GetOnlineMonitor

SyncGroupIndex can have a value from 0 .. TotalNumberSyncGroups-1 (from X\_AVM-DE\_GetOnlineMonitor).

Argument name	Direction	Related state variable	Remarks
NewSyncGroupIndex	in	SyncGroupIndex	
NewTotalNumberSyncGroups	out	TotalNumberSyncGroups	
NewSyncGroupName	out	SyncGroupName	
NewSyncGroupMode	out	SyncGroupMode	
Newmax_ds	out	max_ds	
Newmax_us	out	max_us	
Newds_current_bps	out	ds_current_bps	
Newmc_current_bps	out	mc_current_bps	
Newus_current_bps	out	us_current_bps	
Newprio_realtime_bps	out	prio_realtime_bps	
Newprio_high_bps	out	prio_high_bps	
Newprio_default_bps	out	prio_default_bps	
Newprio_low_bps	out	prio_low_bps	

Table 8: Argument list of action X\_AVM-DE\_GetOnlineMonitor

State variable	Description
SyncGroupIndex	0 .. TotalNumberSyncGroups-1
TotalNumberSyncGroups	Number of sync groups
SyncGroupName	Name of sync group
SyncGroupMode	Connection mod of sync group
max_ds	Max number of bytes per second in downstream direction
max_us	Max number of bytes per second in upstream direction
ds_current_bps	current number of bytes per second in downstream direction of multicast traffic
mc_current_bps	current number of bytes per second in downstream direction of home, guest and multicast traffic
us_current_bps	current number of bytes per second in upstream direction
prio_realtime_bps	current number of bytes per second in upstream direction of real-time home traffic
prio_high_bps	current number of bytes per second in upstream direction of important home traffic
prio_default_bps	current number of bytes per second in upstream direction of default home traffic
prio_low_bps	current number of bytes per second in upstream direction of background home traffic

Table 9: Description of state variables for action X\_AVM-DE\_GetOnlineMonitor

## 12. Service States Table

Variable name	Allowed values (* == default)	Data type
AccessType	DSL, Ethernet, X_AVM-DE_Fiber, X_AVM-DE_UMTS, X_AVM-DE_Cable, X_AVM-DE_LTE, unknown (*)	String
ds_current_bps		string
Layer1DownstreamMaxBitRate		ui4
max_us		ui4
mc_current_bps		string
PhysicalLinkStatus	Unavailable, Down, Initializing, Up	string
prio_default_bps		string
prio_high_bps		string
prio_low_bps		string
prio_realtime_bps		string
SyncGroupIndex	0 .. TotalNumberSyncGroups-1	ui4
SyncGroupName		string
TotalBytesReceived	0 if IGD is not used.	ui4
TotalBytesSent	0 if IGD is not used.	ui4
TotalNumberSyncGroups		ui4
TotalPacketsReceived	0 if IGD is not used.	ui4
TotalPacketsSent	0 if IGD is not used.	ui4
us_current_bps		string
WANAccessType	*unknown, DSL, Ethernet, X_AVM-DE_Fiber, X_AVM-DE_UMTS, X_AVM-DE_Cable, X_AVM-DE_LTE	string
max_us		ui4
X_AVM-DE_DownstreamCurrentMaxSpeed	Max value from list X_AVM-DE_DownstreamCurrentUtilization	ui4
X_AVM-DE_DownstreamCurrentUtilization	Comma separated list of bytes per second in downstream direction	string
X_AVM-DE_Provider		string
X_AVM-DE_UpstreamCurrentMaxSpeed	Max value from list X_AVM-DE_UpstreamCurrentUtilization	ui4
X_AVM-DE_UpstreamCurrentUtilization	Comma separated list of bytes per second in upstream direction	string

Table 10: Variable list