

Internet Gateway Device Support

Supported by AVM

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History

| Date | Version | Changes |
|------------|---------|---|
| 2015-06-03 | 1 | Initial release |
| 2015-06-11 | 2 | IPv6 support |
| 2017-02-24 | 3 | Added variables & arguments X_AVM_DE_TotalBytesSent64 & X_AVM_DE_TotalBytesReceived64 to action GetAddonInfos |
| 2017-07-06 | 4 | Added actions X_AVM_DE_GetDsliteStatus and X_AVM_DE_GetIPTVInfos |
| 2017-08-18 | 5 | Added variable & argument X_AVM_DE_WANAccessType to action GetAddonInfos |

Based on the Internet Gateway Device (IGD) V1.0 and Internet Gateway Device (IGD) V2.0 specification proposed by UpnP™ Forum at <http://upnp.org/specs/gw/igd1/> and <http://upnp.org/specs/gw/igd2/>.

All information is based on the FRITZ!OS 6.93.

WANCommonInterfaceConfig:1

For details please refer the IGD document at <http://upnp.org/specs/gw/UPnP-gw-WANCommonInterfaceConfig-v1-Service.pdf>.

Supported actions:

GetCommonLinkProperties
 GetTotalBytesSent
 GetTotalBytesReceived
 GetTotalPacketsSent
 GetTotalPacketsReceived

Additional actions:

GetAddonInfos

| Argument name | Direction | Related state variable | Remarks |
|----------------------------------|-----------|-------------------------------|-------------------------------|
| NewByteSendRate | out | ByteSendRate | |
| NewByteReceiveRate | out | ByteReceiveRate | |
| NewPacketSendRate | out | PacketSendRate | |
| NewPacketReceiveRate | out | PacketReceiveRate | |
| NewTotalBytesSent | out | TotalBytesSent | |
| NewTotalBytesReceived | out | TotalBytesReceived | |
| NewAutoDisconnectTime | out | AutoDisconnectTime | |
| NewIdleDisconnectTime | out | IdleDisconnectTime | |
| NewDNSServer1 | out | DNSServer1 | |
| NewDNSServer2 | out | DNSServer2 | |
| NewVoipDNSServer1 | out | VoipDNSServer1 | |
| NewVoipDNSServer2 | out | VoipDNSServer2 | |
| NewUpnpControlEnabled | out | UpnpControlEnabled | True, if portmappings allowed |
| NewRoutedBridgedModeBoth | out | RoutedBridgedModeBoth | |
| NewX_AVM_DE_TotalBytesSent64 | out | X_AVM_DE_TotalBytesSent64 | |
| NewX_AVM_DE_TotalBytesReceived64 | out | X_AVM_DE_TotalBytesReceived64 | |
| NewX_AVM_DE_WANAccessType | out | X_AVM_DE_WANAccessType | |

Table 1: Argument list of action GetAddonInfos

X_AVM_DE_GetDsliteStatus

| Argument name | Direction | Related state variable | Remarks |
|--------------------------|-----------|------------------------|---------------------------|
| NewX_AVM_DE_DsliteStatus | out | X_AVM_DE_DsliteStatus | True, if Dslite is active |

Table 2: Argument list of action X_AVM_DE_GetDsliteStatus

X_AVM_DE_GetIPTVInfos

| Argument name | Direction | Related state variable | Remarks |
|---------------------------|-----------|------------------------|---------|
| NewX_AVM_DE_IPTV_Enabled | out | X_AVM_DE_IPTV_Enabled | |
| NewX_AVM_DE_IPTV_Provider | out | X_AVM_DE_IPTV_Provider | |
| NewX_AVM_DE_IPTV_URL | out | X_AVM_DE_IPTV_URL | |

Table 3: Arguments of Action X_AVM_DE_GetIPTVInfos

WANDSLLinkConfig:1

For details please refer the IGD document at <http://upnp.org/specs/gw/UpnP-gw-WANDSLLinkConfig-v1-Service.pdf>.

Supported actions:

GetDSLLinkInfo
 GetAutoConfig
 GetModulationType
 GetDestinationAddress
 GetATMEncapsulation
 GetFCSPreserved

WANIPConnection:1

For details please refer the IGD document at <http://upnp.org/specs/gw/UpnP-gw-WANIPConnection-v1-Service.pdf>.

Supported actions:

GetConnectionTypeInfo
 RequestConnection
 RequestTermination
 ForceTermination
 GetStatusInfo
 GetAutoDisconnectTime
 GetIdleDisconnectTime
 GetNATRSIPStatus
 GetGenericPortMappingEntry
 GetSpecificPortMappingEntry
 AddPortMapping
 DeletePortMapping
 GetExternalIPAddress

Additional actions:**X_AVM_DE_GetDNSServer**

| Argument name | Direction | Related state variable | Remarks |
|-------------------|-----------|------------------------|---------|
| NewIPv4DNSServer1 | out | IPv4DNSServer1 | |
| NewIPv4DNSServer2 | out | IPv4DNSServer2 | |

Table 4: Argument list of action X_AVM_DE_GetDNSServer

X_AVM_DE_GetIPv6DNSServer

| Argument name | Direction | Related state variable | Remarks |
|-------------------|-----------|------------------------|---------|
| NewIPv6DNSServer1 | out | IPv6DNSServer1 | |
| NewValidLifetime1 | out | ValidLifetime1 | |
| NewIPv6DNSServer2 | out | IPv6DNSServer2 | |
| NewValidLifetime2 | out | ValidLifetime2 | |

Table 5: Argument list of action X_AVM_DE_GetIPv6DNSServer

X_AVM_DE_GetExternalIPv6Address

| Argument name | Direction | Related state variable | Remarks |
|------------------------|-----------|------------------------|---------|
| NewExternalIPv6Address | out | ExternalIPv6Address | evented |
| NewPrefixLength | out | PrefixLength | |
| NewValidLifetime | out | ValidLifetime | |
| NewPreferredLifetime | out | PreferredLifetime | |

Table 6: Argument list of action X_AVM_DE_GetExternalIPv6Address

X_AVM_DE_GetIPv6Prefix

| Argument name | Direction | Related state variable | Remarks |
|----------------------|-----------|------------------------|---------|
| NewIPv6Prefix | out | IPv6Prefix | |
| NewPrefixLength | out | PrefixLength | |
| NewValidLifetime | out | ValidLifetime | |
| NewPreferredLifetime | out | PreferredLifetime | |

Table 7: Argument list of action X_AVM_DE_GetIPv6Prefix

WANIPv6FirewallControl:1

For details please refer the IGD document at <http://upnp.org/specs/gw/UPnP-gw-WANIPv6FirewallControl-v1-Service.pdf>.

Supported actions:

GetFirewallStatus
 AddPinhole
 UpdatePinhole
 DeletePinhole