Title: Device Specification 2.5 (UML diagram)

If applicable, instantiate associations to ExtraCapacity
(RedundancyGroup) and TemperatureSensor

ActiveCooling: boolean

Battery

BatteryStatus: uint16
TimeOnBattery: uint32
EstimatedRunTime: uint32
EstimatedChargeRemaining: uint16
Chemistry: uint16
DesignCapacity: uint32
FullChargeCapacity: uint32
DesignVoltage: uint64
SmartBatteryVersion: string
TimeToFullCharge: uint32
ExpectedLife: uint32
MaxRechargeTime: uint32

PowerSupply

IsSwitchingSupply: boolean
Range1InputVoltageLow: uint32
Range1InputVoltageHigh: uint32
Range1InputFrequencyLow: uint32
Range1InputFrequencyHigh: uint32
Range2InputVoltageLow: uint32
Range2InputVoltageHigh: uint32
Range2InputFrequencyLow: uint32
Range2InputFrequencyHigh: uint32
ActiveInputVoltage: uint16
TypeOfRangeSwitching: uint16
TotalOutputPower: uint32

CoolingDevice

ActiveCooling: boolean

Refrigeration

HeatPipe

Fan

VariableSpeed: boolean
DesiredSpeed: uint64

SetSpeed ([IN] DesiredSpeed: uint64): uint32

Printer

[See Device Model Page (Services & Printing)]

Sensor

Scanner

[See Device Model Page (Resources, Statistics, & Sensors)]

Controller

[See Device Model Page (Controllers, Adapters, & Ports)]

Battery

AssociatedBattery

PowerSupply

IsSwitchingSupply: boolean
Range1InputVoltageLow: uint32
Range1InputVoltageHigh: uint32
Range1InputFrequencyLow: uint32
Range1InputFrequencyHigh: uint32
Range2InputVoltageLow: uint32
Range2InputVoltageHigh: uint32
Range2InputFrequencyLow: uint32
Range2InputFrequencyHigh: uint32
ActiveInputVoltage: uint16
TypeOfRangeSwitching: uint16
TotalOutputPower: uint32

UninterruptiblePower

RemainingCapacityStatus
TimeOnBackup: uint32
EstimatedRunTime: uint32
EstimatedChargeRemaining: uint32
Instantiate DeviceStatistics with Stats referencing an instance of FCAdapterEventCounters and Element referencing an instance of FibreChannelAdapter

Instantiate DeviceStatistics with Stats referencing an instance of FibrePortEventCounters and Element referencing an instance of FibrePort

Instantiate DeviceStatistics with Stats referencing an instance of LabelReaderStatInfo and Element referencing an instance of LabelReader

Instantiate DeviceStatistics with Stats referencing an instance of MediaAccessStatInfo and Element referencing an instance of MediaAccessDevice or StorageExtent

Instantiate DeviceStatistics with Stats referencing an instance of PickerStatInfo and Element referencing an instance of PickerElement
### NetworkAdapter
- PermanentAddress: string
- NetworkAddresses: string[]
- Speed: uint64
- MaxSpeed: uint64
- FullDuplex: boolean
- AutoSense: boolean
- OctetsTransmitted: uint64
- OctetsReceived: uint64

### FibreChannelAdapter
- MaxFrameSize: uint64
- SupportedCOS: uint16[]
- FC4ProtocolSupported: uint16[]
- FC4VendorUniqueTypes: uint16[]
- CurrentFC4Types: uint16[]
- Capabilities: uint16[]
- CapabilityDescriptions: string[]
- EnabledCapabilities: uint16[]
- SymbolErrors: uint32
- TotalPacketsTransmitted: uint64
- TotalPacketsReceived: uint64
- AlignmentErrors: uint32
- FCSErrors: uint32
- SingleCollisionFrames: uint32
- MultipleCollisionFrames: uint32
- SQETestErrors: uint32
- DeferredTransmissions: uint32
- LateCollisions: uint32
- ExcessiveCollisions: uint32
- InternalMACTransmitErrors: uint32
- InternalMACReceiveErrors: uint32
- CarrierSenseErrors: uint32
- FrameTooLongs: uint32

### EthernetAdapter
- MaxDataSize: uint32
- Capabilities: uint16[]
- CapabilityDescriptions: string[]
- EnabledCapabilities: uint16[]
- SymbolErrors: uint32
- TotalPacketsTransmitted: uint64
- TotalPacketsReceived: uint64
- AlignmentErrors: uint32
- FCSErrors: uint32
- SingleCollisionFrames: uint32
- MultipleCollisionFrames: uint32
- SQETestErrors: uint32
- DeferredTransmissions: uint32
- LateCollisions: uint32
- ExcessiveCollisions: uint32
- InternalMACTransmitErrors: uint32
- InternalMACReceiveErrors: uint32
- CarrierSenseErrors: uint32
- FrameTooLongs: uint32

### TokenRingAdapter
- MaxDataSize: uint32
- Capabilities: uint16[]
- CapabilityDescriptions: string[]
- EnabledCapabilities: uint16[]
- SymbolErrors: uint32
- RingStatus: uint32
- RingState: uint16
- RingOpenStatus: uint16
- RingSpeed: uint16
- BuntErrs: uint32
- ALErrors: uint32
- AbortTransErrors: uint32
- InternalErrors: uint32
- LostFrameErrors: uint32
- ReceiveCongestions: uint32
- FramedCopyErrors: uint32
- FrameControlErrors: uint32
- TokenErrors: uint32
- SoftErrors: uint32
- HardErrors: uint32
- SignalLossCount: uint32
- TransmittedBeacons: uint32
- Recoverys: uint32
- LabelErrors: uint32
- Removes: uint32
- Singles: uint32
- Frequencies: uint32
ManagedElement
(See Core Model)

ManagedSystemElement
(See Core Model)

LogicalElement
(See Core Model)

LogicalDevice
(See Device Model page (General Devices))

Modem

ConnectionBasedModem
VendorID: string

CallBasedModem
FallbackEnabled: boolean
CompressionSupported: uint16[]
CompressionInfo: uint16
OtherCompressionDescription: string
ModulationSupported: uint16[]
OtherModulationDescription: string
ModulationScheme: uint16
OtherSchemeDescription: string
ErrorControlSupported: uint16[]
ErrorControlInfo: uint16
OtherErrorControlDescription: string
TimeOfLastReset: datetime
CallSpeed: uint32
CallStatus: uint16
ChanSent: uint32
ChanReceived: uint32
CharsLost: uint32
BlocksSent: uint32
BlocksReceived: uint32
BlockError: uint32
CallLength: datetime
NumberDialed: string

UniModem
CallSetupResultCode: uint16
MultimediaMode: uint16
DTEDCEInterfaceMode: uint16
TransmitCarrierNegotiation: uint16
InitialTransmitCarrierDataRate: uint32
InitialReceiveCarrierDataRate: uint32
CarrierRetriesRequested: uint8
CarrierRetriesGranted: uint8
FinalTransmitCarrierDataRate: uint32
FinalReceiveCarrierDataRate: uint32
TerminationCause: uint16
UniModemRevision: string
EstimatedNoiseLevel: uint32
NormalizedMeanSquaredError: uint32
TemporaryCarrierLossEventCount: uint8
CarrierRenegotiationEventCount: uint8
ErrorControlFrameSize: uint16
ErrorControlLinkTimeouts: uint8
TransmitFlowControl: uint16
ReceiveFlowControl: uint16
TransmitCharsSentFromDTE: uint64
ReceiveCharsSentToDTE: uint64
TransmitCharsLost: uint64
ReceiveCharsLost: uint64
TransmitFrameCount: uint64
ReceiveFrameCount: uint64
TransmitFrameErrorCount: uint64
ReceiveFrameErrorCount: uint64
CallWaitingEventCount: uint8

ISDNModem

POTSModem
Capabilities: uint16
CapabilityDescriptions: string
EnabledCapabilities: uint16
MaxBaudRate: uint32
MaxBaudRate1PPH: uint32
MaxBaudRate1PPH: string
SupportSynchronousConnect: boolean
DialString: uint16
InactivityTimeout: uint32
SpeakerVolumeInfo: uint16
CountriesSupported: string
RingsBeforeAnswer: uint8
MaxNumberOfPasswords: uint16
CurrentPasswords: string
SupportsCallback: boolean
AnswerMode: uint16
Equalization: uint16
BlacklistedNumbers: string

VDSLModem
NoiseMargin: uint32
LineAttenuation: uint32
LineState: uint32
TotalOutputPower: uint32
MaxDataRate: uint32

HDSLModem

SDSLModem

ADSLModem

CableModem

DSLModem

VDSLModem

HDSLModem

SDSLModem

ADSLModem

Page 4 - 05/22/2001 - Modems
SoftwareFeature (See Application Model)

VideoBIOSFeature
- Characteristics: uint16 []
- CharacteristicDescriptions: string []
- IsShadowed: boolean
- ReleaseDate: datetime

AGPSoftwareFeature
- Characteristics: uint16 []
- CharacteristicDescriptions: string []
MonitorResolution

Setting ID: string [key]
Horizontal Resolution: uint32
Vertical Resolution: uint32
Refresh Rate: uint32
Min Refresh Rate: uint32
Max Refresh Rate: uint32
Scan Mode: uint16
NumberOf Colors: uint64

VideoControllerResolution

Setting ID: string [key]
Horizontal Resolution: uint32
Vertical Resolution: uint32
Refresh Rate: uint32
Min Refresh Rate: uint32
Max Refresh Rate: uint32
Scan Mode: uint16
NumberOf Colors: uint64

VideoController

(See Device Model page (Controller, Adapters, & Ports))

DesktopMonitor

(See Device Model page (General Devices))

Logical File

(See System Model)

Device File

(See System Model)