

Date: 2/17/2014

Vendor Name: OEMCtrl

Product Name: I/O Pro 812u

Product Model Number: I/O Pro 812u

Applications Software Version: <user specified> Firmware Revision: 6.00

BACnet Protocol Revision: 9

Product Description:

The I/O Pro 812u is a general-use controller that you can easily customize to meet any sequence of operation. Fully capable of operating in a 100% stand-alone control mode, the I/O Pro 812u can connect to a Building Automation System (BAS) using any of today’s four leading protocols: BACnet (IP, Ethernet, ARC156, MS/TP, and PTP), Modbus RTU, N2, and LonWorks. The point mapping to all of these protocols can be pre-set, so that the protocol and baud rates can be easily selected in the field without any additional downloads or technician assistance. The I/O Pro 812u provides input/output capacity on the base controller, plus support for multiple expansion boards if additional I/O capacity is needed.

BACnet Standardized Device Profile (Annex L):

- BACnet Operator Workstation (B-OWS)
- BACnet Advanced Operator Workstation (B-AWS)
- BACnet Operator Display (B-OD)
- BACnet Building Controller (B-BC)
- BACnet Advanced Application Controller (B-AAC)
- BACnet Application Specific Controller (B-ASC)
- BACnet Smart Sensor (B-SS)
- BACnet Smart Actuator (B-SA)

List all BACnet Interoperability Building Blocks Supported (Annex K):

| | | | | |
|-----------|-----------|-----------|-----------|----------|
| DS-RP-B | AE-N-I-B | SCHED-I-B | T-VMT-I-B | DM-DDB-A |
| DS-RPM-B | AE-ACK-B | SCHED-E-B | T-ATR-B | DM-DDB-B |
| DS-WP-B | AE-ASUM-B | | | DM-DOB-A |
| DS-WPM-B | AE-INFO-B | | | DM-DOB-B |
| DS-COV-A | AE-ESUM-B | | | DM-DCC-B |
| DS-COV-B | | | | DM-PT-A |
| DS-COVU-A | | | | DM-PT-B |
| DS-COVU-B | | | | DM-TS-B |
| DS-RP-A | | | | DM-UTC-B |
| DS-RPM-A | | | | DM-RD-B |
| DS-WP-A | | | NM-RC-B | DM-LM-B |
| DS-WPM-A | | | | DM-BR-B |
| | | | | DM-R-B |

Segmentation Capability:

- Able to transmit segmented messages
- Able to receive segmented messages

Window Size _____ 1 _____

Window Size _____ 1 _____

Standard Object Types Supported :

An object type is supported if it may be present in the device. For each standard Object Type supported provide the following data:

- 1) Whether objects of this type are dynamically creatable using the CreateObject service
- 2) Whether objects of this type are dynamically deletable using the DeleteObject service
- 3) List of the optional properties supported
- 4) List of all properties that are writable where not otherwise required by this standard
- 5) List of all properties that are conditionally writable where not otherwise required by this standard.
- 6) List of proprietary properties and for each its property identifier, datatype, and meaning
- 7) List of any property range restrictions

(List of object types starts on page 4 ...)

Data Link Layer Options:

- BACnet IP, (Annex J)
- BACnet IP, (Annex J), Foreign Device
- ISO 8802-3, Ethernet (Clause 7)
- ANSI/ATA 878.1, 2.5 Mb. ARCNET (Clause 8)
- ANSI/ATA 878.1, EIA-485 ARCNET (Clause 8), baud rate(s) **156k baud** _
- MS/TP master (Clause 9), baud rate(s): **9600, 19200, 38400, 76800** _
- MS/TP slave (Clause 9), baud rate(s): _____
- Point-To-Point, EIA 232 (Clause 10), baud rate(s): **9600, 19200, 38400, 57600, 115200**
- Point-To-Point, modem, (Clause 10), baud rate(s): **9600, 19200, 38400, 57600, 115200**
- LonTalk, (Clause 11), medium: _____
- BACnet/Zigbee (Annex O) _____
- Other: _____

Device Address Binding:

Is static device binding supported? (This is currently necessary for two-way communication with MS/TP slaves and certain other devices.) Yes No

Networking Options:

- Router, Clause 6 - List all routing configurations, e.g., ARCNET-Ethernet, Ethernet-MS/TP, etc.
Ethernet-UDP/IP, Ethernet-PTP, BACnet/IP-UDP/IP, BACnet/IP-PTP, Ethernet-BACnet/IP, Ethernet-BACnet/IP-UDP/IP, Ethernet-BACnet/IP-PTP, ARCNET-UDP/IP, ARCNET-PTP, Ethernet-ARCNET, Ethernet-ARCNET-UDP/IP, Ethernet-ARCNET-PTP, BACnet/IP-ARCNET, BACnet/IP-ARCNET-UDP/IP, Ethernet-BACnet/IP-ARCNET, Ethernet-BACnet/IP-ARCNET-UDP/IP, Ethernet-BACnet/IP-ARCNET-PTP, MS/TP-UDP/IP, MS/TP-PTP, Ethernet-MS/TP, Ethernet-MS/TP-UDP/IP, Ethernet-MS/TP-PTP, BACnet/IP-MS/TP, BACnet/IP-MS/TP-UDP/IP, BACnet/IP-MS/TP-PTP, Ethernet-BACnet/IP-MS/TP, Ethernet-BACnet/IP-MS/TP-UDP/IP, Ethernet-BACnet/IP-MS/TP-PTP
- Annex H, BACnet Tunneling Router over IP
- BACnet/IP Broadcast Management Device (BBMD)
 - Does the BBMD support registrations by Foreign Devices? Yes No
 - Does the BBMD support network address translation? Yes No

Character Sets Supported:

Indicating support for multiple character sets does not imply that they can all be supported simultaneously.

- ANSI X3.4 IBM™/Microsoft™ DBCS ISO 8859-1
- ISO 10646 (UCS-2) ISO 10646 (UCS-4) JIS C 6226

If this product is a communication gateway, describe the types of non-BACnet equipment/networks(s) that the gateway supports: Various protocols, depending on which firmware is loaded.

Network Security Options:

- Non-secure Device – is capable of operating without BACnet Network Security
- Secure Device – is capable of using BACnet Network Security (NS-SD BIBB)
 - Multiple Application-Specific Keys
 - Supports encryption (NS-ED BIBB)
 - Key Server (NS-KS BIBB)

Analog Input:

1. Creatable? NO
2. Deletable? NO
3. Optional properties supported:
 - acked-transitions
 - cov-increment
 - deadband
 - description
 - device-type
 - event-enable
 - event-time-stamps
 - high-limit
 - limit-enable
 - low-limit
 - max-pres-value
 - min-pres-value
 - notification-class
 - notify-type
 - reliability
 - resolution
 - time-delay
 - update-interval
4. Writeable properties:
 - cov-increment
 - deadband
 - description
 - device-type
 - event-enable
 - high-limit
 - limit-enable
 - low-limit
 - notification-class
 - notify-type
 - out-of-service
 - time-delay
 - units
5. Conditionally writeable properties where not otherwise required by the standard: None
6. Proprietary properties: None
7. Range restrictions:

| | |
|--------------------|---------------------------------------------------------|
| description | limited to 50 octets in length |
| device-type | limited to 50 octets in length |
| present-value | limited by min-pres-value and max-pres-value properties |
| notification-class | must be valid notification-class |
| time-delay | 0 to 4294967295 |

Analog Input (ASVI_CS):

1. Creatable? NO
2. Deletable? NO
3. Optional properties supported:
 - acked-transitions
 - cov-increment
 - Deadband
 - description
 - device-type
 - event-enable
 - event-time-stamps
 - high-limit
 - limit-enable
 - low-limit
 - notification-class
 - notify-type
 - Reliability
 - Resolution
 - time-delay
4. Writeable properties:
 - cov-increment
 - Deadband
 - description
 - device-type
 - event-enable
 - high-limit
 - limit-enable
 - low-limit
 - notification-class
 - notify-type
 - out-of-service
 - time-delay
 - units
5. Conditionally writeable properties where not otherwise required by the standard: None
6. Proprietary properties:

| | | |
|------|-------------------|------------------------|
| 4168 | optional/writable | cs-comb-algorithm |
| 4169 | optional/writable | cs-disp-source |
| 4170 | optional/writable | cs-sens-enable-arr |
| 4173 | optional/ | cs-corrected-value-arr |
| 4171 | optional | cs-sens-status-arr |
| 4172 | optional/writable | cs-sens-calib-arr |
7. Range restrictions:

| | |
|--------------------|----------------------------------|
| description | limited to 50 octets in length |
| device-type | limited to 50 octets in length |
| notification-class | must be valid notification-class |
| time-delay | 0 to 4294967295 |

Analog Input (TLO):

1. Creatable? NO
2. Deletable? NO
3. Optional properties supported:
 - acked-transitions
 - cov-increment
 - deadband
 - description
 - device-type
 - event-enable
 - event-time-stamps
 - high-limit
 - limit-enable
 - low-limit
 - max-pres-value
 - min-pres-value
 - notification-class
 - notify-type
 - reliability
 - resolution
 - time-delay
 - update-interval
4. Writeable properties:
 - cov-increment
 - deadband
 - description
 - device-type
 - event-enable
 - high-limit
 - limit-enable
 - low-limit
 - notification-class
 - notify-type
 - out-of-service
 - time-delay
 - units
5. Conditionally writeable properties where not otherwise required by the standard: None
6. Proprietary properties: None
7. Range restrictions:

| | |
|--------------------|---------------------------------------------------------|
| description | limited to 50 octets in length |
| device-type | limited to 50 octets in length |
| present-value | limited by min-pres-value and max-pres-value properties |
| notification-class | must be valid notification-class |
| time-delay | 0 to 4294967295 |

Analog Input (PTA):

1. Creatable? NO
2. Deletable? NO
3. Optional properties supported:
 - acked-transitions
 - cov-increment
 - deadband
 - description
 - device-type
 - Event-enable
 - Event-time-stamps
 - high-limit
 - limit-enable
 - low-limit
 - max-pres-value
 - min-pres-value
 - notification-class
 - notify-type
 - reliability
 - resolution
 - time-delay
 - update-interval
4. Writeable properties:
 - cov-increment
 - deadband
 - description
 - device-type
 - event-enable
 - high-limit
 - limit-enable
 - low-limit
 - notification-class
 - notify-type
 - out-of-service
 - time-delay
 - units
5. Conditionally writeable properties where not otherwise required by the standard: None
6. Proprietary properties: None
7. Range restrictions:

| | |
|--------------------|---------------------------------------------------------|
| description | limited to 50 octets in length |
| device-type | limited to 50 octets in length |
| present-value | limited by min-pres-value and max-pres-value properties |
| notification-class | must be valid notification-class |
| time-delay | 0 to 4294967295 |

Analog Input (RS):

1. Creatable? NO
2. Deletable? NO
3. Optional properties supported:
 - acked-transitions
 - cov-increment
 - deadband
 - description
 - device-type
 - event-enable
 - event-time-stamps
 - high-limit
 - limit-enable
 - low-limit
 - max-pres-value
 - min-pres-value
 - notification-class
 - notify-type
 - reliability
 - resolution
 - time-delay
 - update-interval
4. Writeable properties:
 - cov-increment
 - deadband
 - description
 - device-type
 - event-enable
 - high-limit
 - limit-enable
 - low-limit
 - notification-class
 - notify-type
 - out-of-service
 - time-delay
 - units
5. Conditionally writeable properties where not otherwise required by the standard: None
6. Proprietary properties: None
7. Range restrictions:

| | |
|--------------------|---------------------------------------------------------|
| description | limited to 50 octets in length |
| device-type | limited to 50 octets in length |
| present-value | limited by min-pres-value and max-pres-value properties |
| notification-class | must be valid notification-class |
| time-delay | 0 to 4294967295 |

Analog Output:

1. Creatable? NO
2. Deletable? NO
3. Optional properties supported:
 - acked-transitions
 - cov-increment
 - deadband
 - description
 - device-type
 - event-enable
 - event-time-stamps
 - high-limit
 - limit-enable
 - low-limit
 - max-pres-value
 - min-pres-value
 - notification-class
 - notify-type
 - reliability
 - resolution
 - time-delay
4. Writeable properties:
 - cov-increment
 - deadband
 - description
 - device-type
 - event-enable
 - high-limit
 - limit-enable
 - low-limit
 - notification-class
 - notify-type
 - out-of-service
 - present-value
 - relinquish-default
 - time-delay
 - units
5. Conditionally writeable properties where not otherwise required by the standard: None
6. Proprietary properties: None
7. Range restrictions:

| | |
|--------------------|---------------------------------------------------------|
| description | limited to 50 octets in length |
| device-type | limited to 50 octets in length |
| present-value | limited by min-pres-value and max-pres-value properties |
| relinquish-default | limited by min-pres-value and max-pres-value properties |
| notification-class | must be valid notification-class |
| time-delay | 0 to 4294967295 |

Analog Output (FM):

1. Creatable? NO
2. Deletable? NO
3. Optional properties supported:
 - acked-transitions
 - cov-increment
 - deadband
 - description
 - device-type
 - event-enable
 - event-time-stamps
 - high-limit
 - limit-enable
 - low-limit
 - max-pres-value
 - min-pres-value
 - notification-class
 - notify-type
 - reliability
 - resolution
 - time-delay
4. Writeable properties:
 - cov-increment
 - deadband
 - description
 - device-type
 - event-enable
 - high-limit
 - limit-enable
 - low-limit
 - notification-class
 - notify-type
 - out-of-service
 - present-value
 - relinquish-default
 - time-delay
 - units
5. Conditionally writeable properties where not otherwise required by the standard: None
6. Proprietary properties: None
7. Range restrictions:

| | |
|--------------------|---------------------------------------------------------|
| description | limited to 50 octets in length |
| device-type | limited to 50 octets in length |
| present-value | limited by min-pres-value and max-pres-value properties |
| relinquish-default | limited by min-pres-value and max-pres-value properties |
| notification-class | must be valid notification-class |
| time-delay | 0 to 4294967295 |

Analog Output (PWM):

1. Creatable? NO
2. Deletable? NO
3. Optional properties supported:
 - acked-transitions
 - cov-increment
 - deadband
 - description
 - device-type
 - event-enable
 - event-time-stamps
 - high-limit
 - limit-enable
 - low-limit
 - max-pres-value
 - min-pres-value
 - notification-class
 - notify-type
 - reliability
 - resolution
 - time-delay
4. Writeable properties:
 - cov-increment
 - deadband
 - description
 - device-type
 - event-enable
 - high-limit
 - limit-enable
 - low-limit
 - notification-class
 - notify-type
 - out-of-service
 - present-value
 - relinquish-default
 - time-delay
 - units
5. Conditionally writeable properties where not otherwise required by the standard: None
6. Proprietary properties: None
7. Range restrictions:

| | |
|--------------------|---------------------------------------------------------|
| description | limited to 50 octets in length |
| device-type | limited to 50 octets in length |
| present-value | limited by min-pres-value and max-pres-value properties |
| relinquish-default | limited by min-pres-value and max-pres-value properties |
| notification-class | must be valid notification-class |
| time-delay | 0 to 4294967295 |

Analog Value (AVP_CS):

1. Creatable? NO
2. Deletable? NO
3. Optional properties supported:
 - acked-transitions
 - cov-increment
 - Deadband
 - description
 - event-enable
 - event-time-stamps
 - high-limit
 - limit-enable
 - low-limit
 - notification-class
 - notify-type
 - priority-array
 - Reliability
 - relinquish-default
 - time-delay
4. Writeable properties:
 - cov-increment
 - Deadband
 - description
 - event-enable
 - high-limit
 - limit-enable
 - low-limit
 - notification-class
 - notify-type
 - out-of-service
 - present-value
 - relinquish-default
 - time-delay
 - units
5. Conditionally writeable properties where not otherwise required by the standard: None
6. Proprietary properties: None
7. Range restrictions:

| | |
|--------------------|-----------------------------------------------|
| description | limited to 50 octets in length |
| present-value | limited by min and max set via the microblock |
| relinquish-default | limited by min and max set via the microblock |
| notification-class | must be valid notification-class |
| time-delay | 0 to 4294967295 |

Analog Value (AVP_CS_Setpoint):

1. Creatable? NO
2. Deletable? NO
3. Optional properties supported:
 - cov-increment
 - description
 - Reliability
4. Writeable properties:
 - cov-increment
 - description
 - out-of-service
 - present-value
 - units
5. Conditionally writeable properties where not otherwise required by the standard: None
6. Proprietary properties:

| | | |
|------|------------------------|----------|
| 4174 | Private-edit-range-min | optional |
| 4175 | Private-edit-range-max | optional |
7. Range restrictions:

| | |
|---------------|-----------------------------------------------|
| description | limited to 50 octets in length |
| present-value | limited by min and max set via the microblock |

Analog Value (AVS_CS_Setpoint):

1. Creatable? NO
2. Deletable? NO
3. Optional properties supported:
 - cov-increment
 - description
 - Reliability
4. Writeable properties:
 - cov-increment
 - description
 - out-of-service
 - units
5. Conditionally writeable properties where not otherwise required by the standard: None
6. Proprietary properties: None
7. Range restrictions:
 - description
 - limited to 50 octets in length

Analog Value (PAR):

1. Creatable? NO
2. Deletable? NO
3. Optional properties supported:
 - acked-transitions
 - cov-increment
 - deadband
 - description
 - event-enable
 - event-time-stamps
 - high-limit
 - limit-enable
 - low-limit
 - notification-class
 - notify-type
 - priority-array
 - reliability
 - relinquish-default
 - time-delay
4. Writeable properties:
 - cov-increment
 - deadband
 - description
 - event-enable
 - high-limit
 - limit-enable
 - low-limit
 - notification-class
 - notify-type
 - out-of-service
 - present-value
 - relinquish-default
 - time-delay
 - units
5. Conditionally writeable properties where not otherwise required by the standard: None
6. Proprietary properties: None
7. Range restrictions:

| | |
|--------------------|---------------------------------------------------------|
| description | limited to 50 octets in length |
| present-value | limited by min-pres-value and max-pres-value properties |
| relinquish-default | limited by min-pres-value and max-pres-value properties |
| notification-class | must be valid notification-class |
| time-delay | 0 to 4294967295 |

Analog Value (PID):

1. Creatable? NO
2. Deletable? NO
3. Optional properties supported:
 - description
 - reliability
4. Writeable properties:
 - description
5. Conditionally writeable properties where not otherwise required by the standard: None
6. Proprietary properties: None
7. Range restrictions:
 - description
 - limited to 50 octets in length

Analog Value (RS):

1. Creatable? NO
2. Deletable? NO
3. Optional properties supported:
 - reliability
 - cov-increment
4. Writeable properties:
 - out-of-service
 - present-value
 - units
 - cov-increment
5. Conditionally writeable properties where not otherwise required by the standard: None
6. Proprietary properties: None
7. Range restrictions: None

Analog Value (STAT):

1. Creatable? NO
2. Deletable? NO
3. Optional properties supported:
 - acked-transitions
 - cov-increment
 - deadband
 - description
 - event-enable
 - event-time-stamps
 - high-limit
 - limit-enable
 - low-limit
 - notification-class
 - notify-type
 - reliability
 - time-delay
4. Writeable properties:
 - cov-increment
 - deadband
 - description
 - event-enable
 - high-limit
 - limit-enable
 - low-limit
 - notification-class
 - notify-type
 - out-of-service
 - time-delay
 - units
5. Conditionally writeable properties where not otherwise required by the standard: None
6. Proprietary properties: None
7. Range restrictions:

| | |
|--------------------|----------------------------------|
| description | limited to 50 octets in length |
| notification-class | must be valid notification-class |
| time-delay | 0 to 4294967295 |

Binary Input:

1. Creatable? NO
2. Deletable? NO
3. Optional properties supported:
 - acked-transitions
 - active-text
 - alarm-value
 - change-of-state-count
 - change-of-state-time
 - description
 - device-type
 - elapsed-active-time
 - event-enable
 - event-time-stamps
 - inactive-text
 - notification-class
 - notify-type
 - reliability
 - time-delay
 - time-of-active-time-reset
 - time-of-state-count-reset
4. Writeable properties:
 - active-text
 - alarm-value
 - change-of-state-count
 - description
 - device-type
 - elapsed-active-time
 - event-enable
 - inactive-text
 - notification-class
 - notify-type
 - out-of-service
 - polarity
 - time-delay
5. Conditionally writeable properties where not otherwise required by the standard: None
6. Proprietary properties: None
7. Range restrictions:

| | |
|-----------------------|----------------------------------|
| active-text | limited to 50 octets in length |
| change-of-state-count | 0 to 4294967295 |
| description | limited to 50 octets in length |
| device-type | limited to 50 octets in length |
| elapsed-active-time | 0 to 4294967295 |
| inactive-text | limited to 50 octets in length |
| notification-class | must be valid notification-class |
| time-delay | 0 to 4294967295 |

Binary Output:

1. Creatable? NO
2. Deletable? NO
3. Optional properties supported:
 - acked-transitions
 - active-text
 - change-of-state-count
 - change-of-state-time
 - description
 - device-type
 - elapsed-active-time
 - event-enable
 - event-time-stamps
 - feedback-value
 - inactive-text
 - minimum-off-time
 - minimum-on-time
 - notification-class
 - notify-type
 - reliability
 - time-delay
 - time-of-active-time-reset
 - time-of-state-count-reset
4. Writable properties:
 - active-text
 - change-of-state-count
 - description
 - device-type
 - elapsed-active-time
 - event-enable
 - inactive-text
 - minimum-off-time
 - minimum-on-time
 - notification-class
 - notify-type
 - out-of-service
 - polarity
 - present-value
 - relinquish-default
 - time-delay
5. Conditionally writable properties where not otherwise required by the standard: None
6. Proprietary properties: None
7. Range restrictions:

| | |
|-----------------------|--------------------------------|
| active-text | limited to 50 octets in length |
| change-of-state-count | 0 to 4294967295 |
| description | limited to 50 octets in length |
| device-type | limited to 50 octets in length |
| elapsed-active-time | 0 to 4294967295 |

| | |
|--------------------|----------------------------------|
| inactive-text | limited to 50 octets in length |
| minimum-off-time | 0 to 4294967295 |
| minimum-on-time | 0 to 4294967295 |
| notification-class | must be valid notification-class |
| time-delay | 0 to 4294967295 |

Binary Value (BVP_CS):

1. Creatable? NO
2. Deletable? NO
3. Optional properties supported:
 - acked-transitions
 - active-text
 - alarm-value
 - change-of-state-count
 - change-of-state-time
 - description
 - elapsed-active-time
 - event-enable
 - event-time-stamps
 - inactive-text
 - minimum-off-time
 - minimum-on-time
 - notification-class
 - notify-type
 - priority-array
 - reliability
 - relinquish-default
 - time-delay
 - time-of-active-time-reset
 - time-of-state-count-reset
4. Writeable properties:
 - active-text
 - alarm-value
 - change-of-state-count
 - description
 - elapsed-active-time
 - event-enable
 - inactive-text
 - minimum-off-time
 - minimum-on-time
 - notification-class
 - notify-type
 - out-of-service
 - present-value
 - relinquish-default
 - time-delay
5. Conditionally writeable properties where not otherwise required by the standard: None
6. Proprietary properties: None
7. Range restrictions:

| | |
|-----------------------|--------------------------------|
| active-text | limited to 50 octets in length |
| change-of-state-count | 0 to 4294967295 |
| description | limited to 50 octets in length |

| | |
|---------------------|----------------------------------|
| elapsed-active-time | 0 to 4294967295 |
| inactive-text | limited to 50 octets in length |
| minimum-off-time | 0 to 4294967295 |
| minimum-on-time | 0 to 4294967295 |
| notification-class | must be valid notification-class |
| time-delay | 0 to 4294967295 |

Binary Value (BVP_CS_Momentary):

1. Creatable? NO
2. Deletable? NO
3. Optional properties supported:
 - acked-transitions
 - active-text
 - alarm-value
 - change-of-state-count
 - change-of-state-time
 - description
 - elapsed-active-time
 - event-enable
 - event-time-stamps
 - inactive-text
 - minimum-off-time
 - minimum-on-time
 - notification-class
 - notify-type
 - priority-array
 - reliability
 - relinquish-default
 - time-delay
 - time-of-active-time-reset
 - time-of-state-count-reset
4. Writeable properties:
 - active-text
 - alarm-value
 - change-of-state-count
 - description
 - elapsed-active-time
 - event-enable
 - inactive-text
 - notification-class
 - notify-type
 - out-of-service
 - present-value
 - relinquish-default
 - time-delay
5. Conditionally writeable properties where not otherwise required by the standard: None
6. Proprietary properties:
 - 4176 optional cs_momentary_state
7. Range restrictions:
 - active-text limited to 50 octets in length
 - change-of-state-count 0 to 4294967295
 - description limited to 50 octets in length
 - elapsed-active-time 0 to 4294967295
 - inactive-text limited to 50 octets in length

notification-class
time-delay

must be valid notification-class
0 to 4294967295

Binary Value (PAR):

8. Creatable? NO
9. Deletable? NO
10. Optional properties supported:
 - acked-transitions
 - active-text
 - alarm-value
 - change-of-state-count
 - change-of-state-time
 - description
 - elapsed-active-time
 - event-enable
 - event-time-stamps
 - inactive-text
 - minimum-off-time
 - minimum-on-time
 - notification-class
 - notify-type
 - priority-array
 - reliability
 - relinquish-default
 - time-delay
 - time-of-active-time-reset
 - time-of-state-count-reset
11. Writeable properties:
 - active-text
 - alarm-value
 - change-of-state-count
 - description
 - elapsed-active-time
 - event-enable
 - inactive-text
 - minimum-off-time
 - minimum-on-time
 - notification-class
 - notify-type
 - out-of-service
 - present-value
 - relinquish-default
 - time-delay
12. Conditionally writeable properties where not otherwise required by the standard: None
13. Proprietary properties: None
14. Range restrictions:

| | |
|-----------------------|--------------------------------|
| active-text | limited to 50 octets in length |
| change-of-state-count | 0 to 4294967295 |
| description | limited to 50 octets in length |
| elapsed-active-time | 0 to 4294967295 |
| inactive-text | limited to 50 octets in length |

| | |
|--------------------|----------------------------------|
| minimum-off-time | 0 to 4294967295 |
| minimum-on-time | 0 to 4294967295 |
| notification-class | must be valid notification-class |
| time-delay | 0 to 4294967295 |

Binary Value (CLOCK):

1. Creatable? NO
2. Deletable? NO
3. Optional properties supported:
 - acked-transitions
 - active-text
 - alarm-value
 - change-of-state-count
 - change-of-state-time
 - description
 - elapsed-active-time
 - event-enable
 - event-time-stamps
 - inactive-text
 - minimum-off-time
 - minimum-on-time
 - notification-class
 - notify-type
 - priority-array
 - reliability
 - relinquish-default
 - time-delay
 - time-of-active-time-reset
 - time-of-state-count-reset
4. Writeable properties:
 - active-text
 - alarm-value
 - change-of-state-count
 - description
 - elapsed-active-time
 - event-enable
 - inactive-text
 - minimum-off-time
 - minimum-on-time
 - notification-class
 - notify-type
 - out-of-service
 - present-value
 - relinquish-default
 - time-delay
5. Conditionally writeable properties where not otherwise required by the standard: None
6. Proprietary properties: None
7. Range restrictions:

| | |
|-----------------------|--------------------------------|
| active-text | limited to 50 octets in length |
| change-of-state-count | 0 to 4294967295 |
| description | limited to 50 octets in length |
| elapsed-active-time | 0 to 4294967295 |
| inactive-text | limited to 50 octets in length |

| | |
|--------------------|----------------------------------|
| minimum-off-time | 0 to 4294967295 |
| minimum-on-time | 0 to 4294967295 |
| notification-class | must be valid notification-class |
| time-delay | 0 to 4294967295 |

Binary Value (STAT):

1. Creatable? NO
2. Deletable? NO
3. Optional properties supported:
 - acked-transitions
 - active-text
 - alarm-value
 - change-of-state-count
 - change-of-state-time
 - description
 - elapsed-active-time
 - event-enable
 - inactive-text
 - minimum-off-time
 - minimum-on-time
 - notification-class
 - notify-type
 - reliability
 - time-delay
 - time-of-active-time-reset
 - time-of-state-count-reset
 - event-time-stamp
4. Writeable properties:
 - active-text
 - alarm-value
 - change-of-state-count
 - description
 - elapsed-active-time
 - event-enable
 - inactive-text
 - minimum-off-time
 - minimum-on-time
 - notification-class
 - notify-type
 - out-of-service
 - time-delay
5. Conditionally writeable properties where not otherwise required by the standard: None
6. Proprietary properties: None
7. Range restrictions:

| | |
|-----------------------|----------------------------------|
| active-text | limited to 50 octets in length |
| change-of-state-count | 0 to 4294967295 |
| description | limited to 50 octets in length |
| elapsed-active-time | 0 to 4294967295 |
| inactive-text | limited to 50 octets in length |
| minimum-off-time | 0 to 4294967295 |
| minimum-on-time | 0 to 4294967295 |
| notification-class | must be valid notification-class |
| time-delay | 0 to 4294967295 |

Binary Value (MODULE ALARM):

1. Creatable? NO
2. Deletable? NO
3. Optional properties supported:
 - acked-transitions
 - alarm-value
 - description
 - event-enable
 - event-time-stamps
 - notification-class
 - notify-type
 - time-delay
4. Writeable properties:
 - alarm-value
 - event-enable
 - notification-class
 - notify-type
 - out-of-service
 - time-delay
5. Conditionally writeable properties where not otherwise required by the standard: None
6. Proprietary properties: None
7. Range restrictions:

| | |
|--------------------|----------------------------------|
| notification-class | must be valid notification-class |
| time-delay | 0 to 4294967295 |

Calendar:

1. Creatable? NO
2. Deletable? NO
3. Optional properties supported:
 - description
4. Writeable properties:
 - date-list
 - description
5. Conditionally writeable properties where not otherwise required by the standard: None
6. Proprietary properties: None
7. Range restrictions:

| | |
|-------------|-----------------------------------|
| date-list | limited to 30 BACnetCalendarEntry |
| description | limited to 50 octets in length |

Device:

1. Creatable? NO
2. Deletable? NO
3. Optional properties supported:
 - active-cov-subscriptions
 - active-vt-sessions
 - apdu-segment-timeout
 - backup-failure-timeout
 - configuration-files
 - database-revision
 - description
 - last-restore-time
 - list_of_session_keys
 - local_date
 - local_time
 - location
 - max-segments-accepted
 - vt-classes-supported
 - utc-offset
 - max-master
 - max-info-frames
 - last-restart-reason
 - time-of-device-restart
 - restart-notification-recipients
4. Writeable properties:
 - object-identifier
 - object-name
 - location
 - description
 - local-time
 - local-date
 - utc-offset
 - apdu-segment-timeout
 - apdu-timeout
 - number-of-apdu-retries
 - max-master
 - max-info-frames
 - last-restart-reason
 - restart-notification-recipients
 - backup-failure-timeout
5. Conditionally writeable properties where not otherwise required by the standard: None
6. Proprietary properties:

| Property no. | Property name | Data Type |
|--------------|--------------------------|-------------------|
| 4149 | auto-identity-scheme | enumerated |
| 4150 | auto-identity-base | unsigned |
| 4153 | serial-number | char string |
| 4161 | array-of-mstp-baud-rates | array of unsigned |
| 4162 | test-mode | enumerated |
| 4166 | download-id | char string |

| | | |
|------|-----------------------------------|------------|
| 4167 | file-store-size | unsigned |
| 4901 | archive-valid-status | enumerated |
| 4902 | archive-now-trigger | bool |
| 4920 | lonworks-enable-metric-conversion | bool |

7. Range restrictions:

| | |
|---------------------------------|-----------------------------------|
| description | limited to 50 octets in length |
| location | limited to 50 octets in length |
| max-master | 1 to 127 |
| object-identifier | must be a valid device identifier |
| object-name | limited to 50 octets in length |
| utc-offset | -780 to 780 |
| last-restart-reason | limited to BACnetRestartReason |
| restart-notification-recipients | 0 to 10 BACnetRecipients |
| auto-identity-scheme | 0 or 1 |
| auto-identity-base | 0 to 4294967295 |

File:

1. Creatable? NO
2. Deletable? NO
3. Optional properties supported:
 - description
4. Writeable properties:
 - archive
 - description
 - file-type
 - file-size
 - modification-date
 - read-only
5. Conditionally writeable properties where not otherwise required by the standard: None
6. Proprietary properties: None
7. Range restrictions:
 - description limited to 50 octets in length
 - file-type limited to 50 octets in length

Loop Object (BACnet PID):

1. Creatable? No
2. Deletable? No
3. Optional properties supported:
 - Description
 - Update_interval
 - Proportional_constant
 - Proportional_constant_units
 - Integral_constant
 - Integral_constant_units
 - Derivative_constant
 - Derivative_constant_units
 - Bias
 - COV_increment
4. Writable properties:
 - Description
 - Update_interval
 - Action
 - Proportional_constant
 - Integral_constant
 - Derivative_constant
 - Bias
5. Conditionally writeable properties where not otherwise required by the standard: None
6. Proprietary properties:
 - Continuous_proportional
 - Deadband
 - Ramp_time
7. Range Restriction:

| Property no. | Property name | Property Restrictions | Data Type |
|--------------|-------------------------|-----------------------|-----------|
| 4163 | Continuous_proportional | Can only be 0 or 1 | Boolean |
| 4164 | Deadband | Must be >=0 | Real |
| 4165 | Ramp_time | Must be >=0 | Real |

Multi-State Value (MSVP_CS):

1. Creatable? NO
2. Deletable? NO
3. Optional properties supported:
 - acked-transitions
 - alarm-values
 - description
 - event-enable
 - event-time-stamps
 - fault-values
 - notification-class
 - notify-type
 - priority-array
 - reliability
 - relinquish-default
 - state-text
 - time-delay
4. Writeable properties:
 - alarm-values
 - description
 - event-enable
 - fault-values
 - notification-class
 - notify-type
 - out-of-service
 - present-value
 - relinquish-default
 - time-delay
5. Conditionally writeable properties where not otherwise required by the standard: None
6. Proprietary properties: None
7. Range restrictions:

| | |
|--------------------|----------------------------------|
| description | limited to 50 octets in length |
| notification-class | must be valid notification-class |
| present-value | must be valid state |
| relinquish-default | must be valid state |
| time-delay | 0 to 4294967295 |

Multi-State Value (MSVP_CS_Momentary):

1. Creatable? NO
2. Deletable? NO
3. Optional properties supported:
 - acked-transitions
 - alarm-values
 - description
 - event-enable
 - event-time-stamps
 - fault-values
 - notification-class
 - notify-type
 - priority-array
 - reliability
 - relinquish-default
 - state-text
 - time-delay
4. Writeable properties:
 - alarm-values
 - description
 - event-enable
 - fault-values
 - notification-class
 - notify-type
 - out-of-service
 - present-value
 - relinquish-default
 - time-delay
5. Conditionally writeable properties where not otherwise required by the standard: None
6. Proprietary properties: None
7. Range restrictions:

| | |
|--------------------|----------------------------------|
| description | limited to 50 octets in length |
| notification-class | must be valid notification-class |
| present-value | must be valid state |
| relinquish-default | must be valid state |
| time-delay | 0 to 4294967295 |

Multi-State Value (PAR):

1. Creatable? NO
2. Deletable? NO
3. Optional properties supported:
 - acked-transitions
 - alarm-values
 - description
 - event-enable
 - event-time-stamps
 - fault-values
 - notification-class
 - notify-type
 - priority-array
 - reliability
 - relinquish-default
 - state-text
 - time-delay
4. Writeable properties:
 - alarm-values
 - description
 - event-enable
 - fault-values
 - notification-class
 - notify-type
 - out-of-service
 - present-value
 - relinquish-default
 - time-delay
5. Conditionally writeable properties where not otherwise required by the standard: None
6. Proprietary properties: None
7. Range restrictions:

| | |
|--------------------|----------------------------------|
| description | limited to 50 octets in length |
| notification-class | must be valid notification-class |
| present-value | must be valid state |
| relinquish-default | must be valid state |
| time-delay | 0 to 4294967295 |

Multi-State Value (CLOCK):

1. Creatable? NO
2. Deletable? NO
3. Optional properties supported:
 - acked-transitions
 - alarm-values
 - description
 - event-enable
 - event-time-stamps
 - fault-values
 - notification-class
 - notify-type
 - priority-array
 - reliability
 - relinquish-default
 - state-text
 - time-delay
4. Writeable properties:
 - alarm-values
 - description
 - event-enable
 - fault-values
 - notification-class
 - notify-type
 - out-of-service
 - present-value
 - relinquish-default
 - time-delay
5. Conditionally writeable properties where not otherwise required by the standard: None
6. Proprietary properties: None
7. Range restrictions:

| | |
|--------------------|----------------------------------|
| description | limited to 50 octets in length |
| notification-class | must be valid notification-class |
| present-value | must be valid state |
| relinquish-default | must be valid state |
| time-delay | 0 to 4294967295 |

Multi-State Value (STAT):

1. Creatable? NO
2. Deletable? NO
3. Optional properties supported:
 - acked-transitions
 - alarm-values
 - description
 - event-enable
 - event-time-stamps
 - fault-values
 - notification-class
 - notify-type
 - reliability
 - state-text
 - time-delay
4. Writeable properties:
 - alarm-values
 - description
 - event-enable
 - fault-values
 - notification-class
 - notify-type
 - out-of-service
 - time-delay
5. Conditionally writeable properties where not otherwise required by the standard: None
6. Proprietary properties: None
7. Range restrictions:

| | |
|--------------------|----------------------------------|
| description | limited to 50 octets in length |
| notification-class | must be valid notification-class |
| present-value | must be valid state |
| time-delay | 0 to 4294967295 |

Notification Class:

1. Creatable? NO
2. Deletable? NO
3. Optional properties supported:
 - description
4. Writeable properties:
 - ack-required
 - description
 - priority
 - recipient-list
5. Conditionally writeable properties where not otherwise required by the standard: None
6. Proprietary properties: None
7. Range restrictions: None
 - description limited to 50 octets in length
 - recipient-list limited to 5 BACnetDestinations

Program:

1. Creatable? NO
2. Deletable? NO
3. Optional properties supported:
 - description
 - description-of-halt
 - instance-of
 - program-location
 - reason-for-halt
 - reliability
4. Writeable properties:
 - description
 - program-change
 - program-location
5. Conditionally writeable properties where not otherwise required by the standard: None
6. Proprietary properties: None
7. Range restrictions:
 - description limited to 50 octets in length
 - program-location limited to 50 octets in length

Schedule (ENUM):

1. Creatable? NO
2. Deletable? NO
3. Optional properties supported:
 - description
 - exception-schedule
 - weekly-schedule
4. Writeable properties:
 - description
 - effective-period
 - exception-schedule
 - priority-for-writing
 - weekly-schedule
 - list-of-prop-reference
 - schedule-default
 - reliability
 - out-of-service
5. Conditionally writeable properties where not otherwise required by the standard: None
6. Proprietary properties:
 - schedule-names
7. Range restrictions:

| | |
|----------------------|--------------------------------------------------------------------------------|
| description | limited to 50 octets in length |
| exception-schedule | limited to 30 BACnetSpecialEvents, each being limited to 6 BACnetTimeValues |
| present-value | 0 to 4294967295 |
| relinquish-default | 0 to 4294967295 |
| weekly-schedule | limited to 6 BACnetTimeValues per BACnetDailySchedule |
| schedule-default | 0 to 4294967295 |
| reliability | limited to 4 BACnetReliability |
| out-of-service | limited to Boolean |
| (557) schedule-names | limited to 800 octets in length |

Schedule (UNS):

1. Creatable? NO
2. Deletable? NO
3. Optional properties supported:
 - description
 - exception-schedule
 - weekly-schedule
4. Writeable properties:
 - description
 - effective-period
 - exception-schedule
 - priority-for-writing
 - weekly-schedule
 - list-of-prop-reference
 - schedule-default
 - reliability
 - out-of-service
5. Conditionally writeable properties where not otherwise required by the standard: None
6. Proprietary properties:
 - schedule-names
7. Range restrictions:

| | |
|----------------------|--------------------------------------------------------------------------------|
| description | limited to 50 octets in length |
| exception-schedule | limited to 30 BACnetSpecialEvents, each being limited to 6 BACnetTimeValues |
| present-value | 0 to 4294967295 |
| relinquish-default | 0 to 4294967295 |
| weekly-schedule | limited to 6 BACnetTimeValues per BACnetDailySchedule |
| schedule-default | 0 to 4294967295 |
| reliability | limited to 4 BACnetReliability |
| out-of-service | limited to Boolean |
| (557) schedule-names | limited to 800 octets in length |

Trend-log (COV or polled):

1. Creatable? NO
2. Deletable? NO
3. Optional properties supported:
 - acked-transitions
 - client-cov-increment
 - cov-resubscription-interval
 - description
 - event-enable
 - event-time-stamps
 - log-device-object-property
 - log-interval
 - notification-class
 - notification-threshold
 - notify-type
 - records-since-notification
 - start-time
 - stop-time
 - last-notify-record
 - align-intervals
 - interval-offset
 - reliability
4. Writeable properties:
 - buffer-size
 - client-cov-increment
 - cov-resubscription-interval
 - Description
 - event-enable
 - log-enable
 - log-interval
 - notification-class
 - notification-threshold
 - notify-type
 - record-count
 - start-time
 - stop-time
 - stop-when-full
5. Conditionally writeable properties where not otherwise required by the standard: None
6. Proprietary properties: None
7. Range restrictions:

| | |
|------------------------|----------------------------------|
| description | limited to 50 octets in length |
| log-interval | 0 to 4294967295 |
| notification-class | must be valid notification-class |
| notification-threshold | 0 to 4294967295 |
| record-count | can only be written to 0 |
| total-record-count | can only be written to 0 |
| reliability | limited to 4 BACnetReliability |

Trend-log (of a non-BACnet property, COV or polled):

1. Creatable? NO
2. Deletable? NO
3. Optional properties supported:
 - acked-transitions
 - client-cov-increment
 - cov-resubscription-interval
 - description
 - event-enable
 - event-time-stamps
 - last-notify-record
 - log-interval
 - notification-class
 - notification-threshold
 - notify-type
 - records-since-notification
 - start-time
 - stop-time
 - align-intervals
 - interval-offset
 - reliability
4. Writeable properties:
 - buffer-size
 - client-cov-increment
 - cov-resubscription-interval
 - description
 - event-enable
 - log-enable
 - log-interval
 - notification-class
 - notification-threshold
 - notify-type
 - record-count
 - start-time
 - stop-time
 - stop-when-full
5. Conditionally writeable properties where not otherwise required by the standard: None
6. Proprietary properties: None
7. Range restrictions:

| | |
|------------------------|----------------------------------|
| description | limited to 50 octets in length |
| log_interval | 0 to 4294967295 |
| notification_class | must be valid notification_class |
| notification_threshold | 0 to 4294967295 |
| record_count | can only be written to 0 |
| logging-type | limited to 3 BACnetLoggingType |
| align-intervals | limited to Boolean |

| | |
|-----------------|------------------------------------------|
| interval-offset | 0 to 4294967295 in hundredths of seconds |
| trigger | limited to Boolean |
| reliability | limited to 4 BACnetReliability |

Trend-log (of a non-BACnet property, triggered):

1. Creatable? NO
2. Deletable? NO
3. Optional properties supported:
 - acked-transitions
 - client-cov-increment
 - cov-resubscription-interval
 - description
 - event-enable
 - event-time-stamps
 - last-notify-record
 - log-interval
 - notification-class
 - notification-threshold
 - notify-type
 - records-since-notification
 - start-time
 - stop-time
 - reliability
 - trigger
4. Writeable properties:
 - buffer-size
 - client-cov-increment
 - cov-resubscription-interval
 - description
 - event-enable
 - log-enable
 - notification-class
 - notification-threshold
 - notify-type
 - record-count
 - start-time
 - stop-time
 - stop-when-full
 - trigger
5. Conditionally writeable properties where not otherwise required by the standard: None
6. Proprietary properties: None
7. Range restrictions:

| | |
|------------------------|------------------------------------------|
| description | limited to 50 octets in length |
| log_interval | 0 to 4294967295 |
| notification_class | must be valid notification_class |
| notification_threshold | 0 to 4294967295 |
| record_count | can only be written to 0 |
| logging-type | limited to 3 BACnetLoggingType |
| align-intervals | limited to Boolean |
| interval-offset | 0 to 4294967295 in hundredths of seconds |

trigger
reliability

limited to Boolean
limited to 4 BACnetReliability

Proprietary Object, AirFlow:

1. Creatable? No
2. Deletable? No
3. Optional properties supported:
 - description
 - device-type
 - profile-name
 - tab-tech-name
 - tab-org-name
 - display-name
 - max-cool-flow
 - max-cool-flow-ovr
 - max-heat-flow
 - min-occ-flow
 - min-occ-flow-ovr
 - min-unocc-flow
 - tabs-pars-seal
 - min-aux-heat-flow
 - flow-at-one-inch
 - flow-calibration
 - sens-calibration
 - lock-flags
 - flow-setpt-lock
 - aux-heat-lock
 - damper-lock
 - fan-lock
 - auto-zero
 - tab-mode
 - last-tab-date
 - air-source-obj-id
 - par-prg-dev-id
 - par-prg-obj-id
 - loop-config
 - sens-config
 - damp-config
 - status-flags
 - reliability
 - occupied-mode
 - heat-mode
 - fan-outpt
 - cooling
 - heating
 - aux-heat
 - damper
 - flow-actual
 - flow-setpoint
 - air-flow-obj-id
 - own-prg-obj-id
 - flow-rawpct
 - flow-rawsetpt
 - moves-today
 - moves-yesterday
 - prop-stat-flags
 - units
 - ovr-flags

- lock-flags-bool
- prop-stat-flags-bool
- baf-version
- 4. Writable properties:
 - description
 - device-type
 - profile-name
 - tab-tech-name
 - tab-org-name
 - display-name
 - max-cool-flow
 - max-cool-flow-ovr
 - max-heat-flow
 - min-occ-flow
 - min-occ-flow-ovr
 - min-unocc-flow
 - tab-pars-seal
 - min-aux-heat-flow
 - flow-at-one-inch
 - flow-calibration
 - sens-calibration
 - flow-setpt-lock
 - aux-heat-lock
 - damper-lock
 - fan-lock
 - auto-zero
 - tab-mode
 - last-tab-date
 - lock-flags-bool
- 5. Conditionally writeable properties where not otherwise required by the standard: None
- 6. Proprietary properties:
 - max-cool-flow
 - max-heat-flow
 - min-occ-flow
 - min-unocc-flow
 - min-aux-heat-flow
 - flow-at-one-inch
 - flow-calibration
 - sens-calibration
 - aux-heat-lock
 - damper-lock
 - flow-setpt-lock
 - auto-zero
 - tab-mode
 - lock-flags
 - par-prg-dev-id
 - par-prg-obj-id
 - air-source-obj-id
 - occupied-mode
 - heat-mode
 - cooling
 - heating
 - aux-heat

damper
 flow-actual
 flow-setpoint
 air-flow-obj-id
 loop-config
 sens-config
 damp-config
 flow-rawpct
 flow-rawsetpt
 moves-today
 moves-yesterday
 fan-lock
 fan-outpt
 prop-stat-flags
 tab-tech-name
 tab-org-name
 last-tab-date
 display-name
 own-prg-obj-id
 ovr-flags
 max-cool-flow-ovr
 min-occ-flow-ovr
 tab-pars-seal
 lock-flags-bool
 prop-stat-flags-bool
 baf-version

7. Range Restriction:

| Property no. | Property name | Property Restrictions | Data Type |
|--------------|-------------------|--------------------------------|-------------------------|
| 4132 | tab-tech-name | limited to 50 octets in length | Chrstr |
| 4133 | tab-org-name | limited to 50 octets in length | Chrstr |
| 4135 | display-name | limited to 50 octets in length | Chrstr |
| 4096 | max-cool-flow | Unrestricted | Real |
| 4138 | max-cool-flow-ovr | Unrestricted | Real |
| 4097 | max-heat-flow | Unrestricted | Real |
| 4098 | min-occ-flow | Unrestricted | Real |
| 4139 | min-occ-flow-ovr | Unrestricted | Real |
| 4099 | min-unocc-flow | Unrestricted | Real |
| 4140 | tab-pars-seal | Unrestricted | Date/Time |
| 4100 | min-aux-heat-flow | Unrestricted | Real |
| 4101 | flow-at-one-inch | Unrestricted | Real |
| 4102 | flow-calibration | Unrestricted | Real(Array of 4 values) |
| 4103 | sens-calibration | Unrestricted | Real(Array of 4 values) |
| 4106 | flow-setpt-lock | Unrestricted | Real |
| 4104 | aux-heat-lock | 0 – 100 | Real |
| 4105 | damper-lock | 0 – 100 | Real |
| 4129 | fan-lock | Unrestricted | Boolean |
| 4107 | auto-zero | Unrestricted | Boolean |
| 4108 | tab-mode | 0-255 (Only 0 -8 is defined) | Byte |
| 4134 | last-tab-date | Unrestricted | Date/Time |
| 4141 | lock-flags-bool | | BitStr |
| | description | limited to 50 octets in length | ChrStr |
| | device-type | limited to 50 octets in length | ChrStr |
| | profile-name | limited to 50 octets in length | ChrStr |

Proprietary Object, Network Port:

1. Creatable? No
2. Deletable? No
3. Optional properties supported:
 - ip-multicast-address
 - ip-subnet-mask
 - ip-default-gateway
 - max-master
 - max-info-frames
 - time-sync-interval
4. Writable properties:
 - network-number
 - mac-address
 - ip-multicast-address
 - ip-subnet-mask
 - ip-default-gateway
 - instance-of
 - auto-identity-base
 - auto-identity-scheme
 - network-port-base
 - max-master
 - max-info-frames
 - device-time-sync-mode
 - time-sync-interval
5. Conditionally writeable properties where not otherwise required by the standard: None
6. Proprietary properties:
 - network-type
 - network-number
 - mac-address
 - ip-multicast-address
 - ip-subnet-mask
 - ip-default-gateway
 - auto-identity-base
 - auto-identity-scheme
 - network-port-base
 - device-time-sync-mode
7. Range Restriction:

| Property no. | Property name | Property Restrictions | Data Type |
|--------------|-----------------------|-------------------------------|-----------|
| 624 | network-type | | Unsigned |
| 622 | network-number | 0 – 65535 | Unsigned |
| 621 | mac-address | limited to 6 octets in length | Chrstr |
| 607 | ip-multicast-address | limited to 4 octets in length | Chrstr |
| 608 | ip-subnet-mask | limited to 4 octets in length | Chrstr |
| 601 | ip-default-gateway | limited to 4 octets in length | Chrstr |
| 4150 | auto-identity-base | 0 - 4294967295 | Unsigned |
| 4149 | auto-identity-scheme | 0 - 255 | Enum |
| 600 | network-port-base | | Chrstr |
| 660 | device-time-sync-mode | 0 - 2 | Enum |