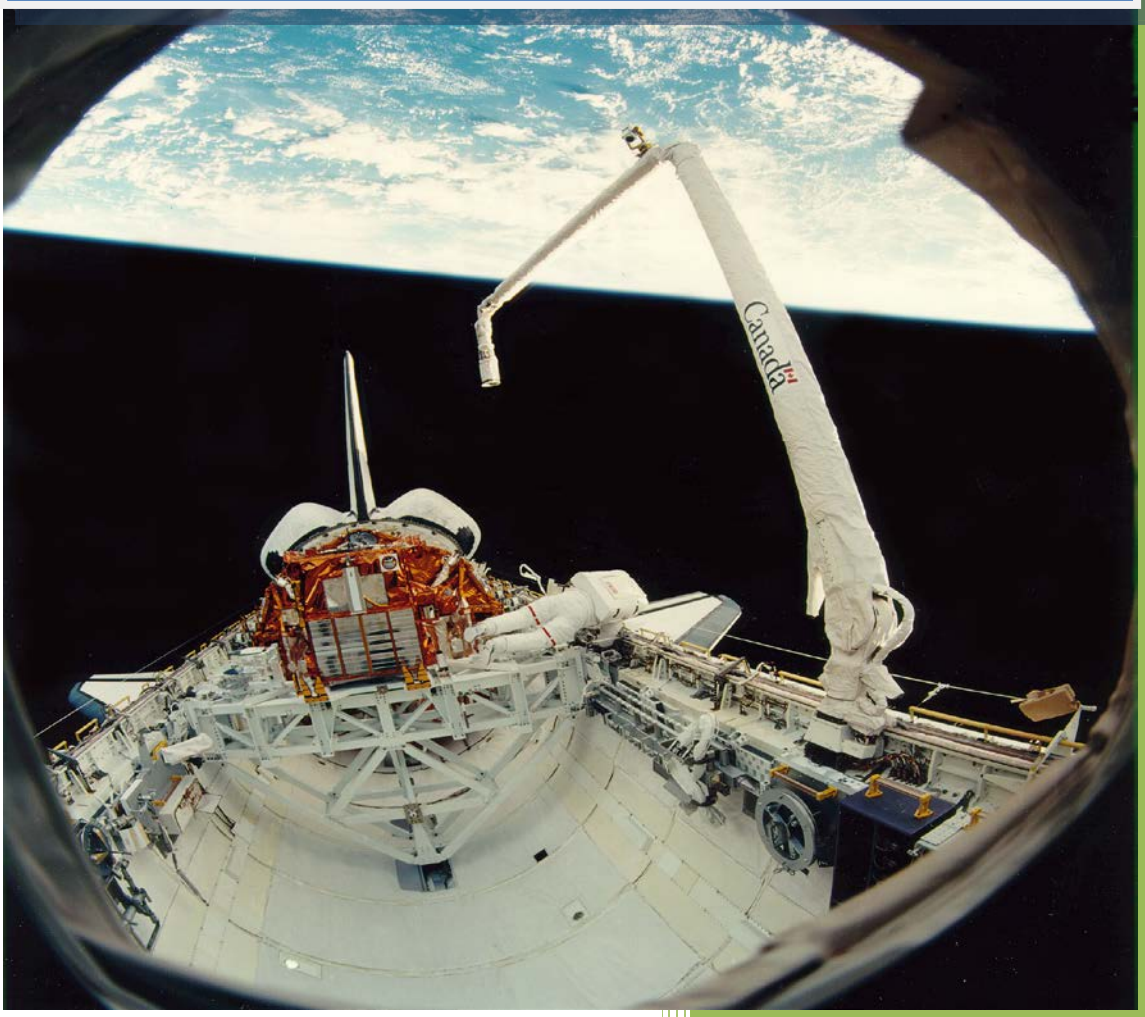
PTS-30
Time Server
SNMP MIB Manual



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Contents

1. Basic Features

1.1. Introduction

The PTS-30 time server is a standard time synchronization server. Support GPS, BDS, GLONASS, IRIG-B and PTP time source, internal built-in TCXO, OXCO, Rubidium Oscillator and multiple sources time sync automatic selection algorithm and Master/Slave clock redundant switch control logical, which will perform GPS, BDS, GLONASS, IRIG-B, PTP and local clock System multiple time source auto selection, sky/grounding and master/slave clock backup. PTS-30 time server provides flexible time synchronization signal output slots which can help to configure different timing output interface channel. The output timing channels include PPS, PPM, PPH, IRIG-B (DC), IRIG-B (AC), Serial Time Signal (TOD etc.) etc. Both fiber and copper interfaces are supported. Plus, PTS-30 supports network sync time protocols NTP/SNTP/EEE1588 v2.0. IEEE1588 works in several modes by the software configuration including grandmaster clock, slave clock and boundary clock. PTS-30 time server also has alarm contact output. PTS-30 time server provides 5.7 inch color touch screen as HMI and the visualization interface is available for work status monitoring and parameters setting. Meanwhile, PTS-30 time server is designed to send timing source status and clock status to control center by IEC61850, IEC60870-5-104, IEC60870-5-101, DNP3.0, and Modbus etc. PTS-30 time server also supports WEB and SNMP to manage system.

2. SYNCSOURCE-MIB

2.1. MIB Single Node

2.1.1. syncSourceSat1Priority

The OID is 1.3.6.1.4.1.45454.2.1.3.1.1. The definition please see the below table.

Table 1 –syncSourceSat1Priority

Data Type	Description	RW	Status
Integer32	SAT1 Channel Priority: 1~10	read-write	Current

2.1.2. syncSourceSat1Delay

The OID is 1.3.6.1.4.1.45454.2.1.3.1.2. The definition please see the below table.

Table 2 –syncSourceSat1Delay

Data Type	Description	RW	Status
Integer32	SAT1 Compensation Delay: -999999999~999999999	read-write	Current

2.1.3. syncSourceSat1MulType

The OID is 1.3.6.1.4.1.45454.2.1.3.1.3. The definition please see the below table.

Table 3 –syncSourceSat1MulType

Data Type	Description	RW	Status
Integer32	SAT1 Source Type: 0-NONE;1-SYNC;2-PEER	read-write	Current

2.1.4. syncSourceSat1ChannelType

The OID is 1.3.6.1.4.1.45454.2.1.3.1.4. The definition please see the below table.

Table 4 –syncSourceSat1ChannelType

Data Type	Description	RW	Status
Integer32	SAT1 Channel Type: 0-UBLOX5; 1-UBLOX8; 2-AT3340; 3-HWA210B; 4-HWA210L	read-write	Current

2.1.5. syncSourceSat1SatMode

The OID is 1.3.6.1.4.1.45454.2.1.3.1.5. The definition please see the below table.

Table 5 –syncSourceSat1SatMode

Data Type	Description	RW	Status
Integer32	SAT1 Work Mode: 0-Auto; 1-A-BDS; 2-A-GPS; 3-A-GLONASS; 4-F-BDS; 5-F-GPS; 6-F-GLONASS	read-write	Current

2.1.6. syncSourceSat2Priority

The OID is 1.3.6.1.4.1.45454.2.1.3.1.6. The definition please see the below table.

Table 6 –syncSourceSat2Priority

Data Type	Description	RW	Status
Integer32	SAT2 Channel Priority: 1~10	read-write	Current

2.1.7. syncSourceSat2Delay

The OID is 1.3.6.1.4.1.45454.2.1.3.1.7. The definition please see the below table.

Table 7 –syncSourceSat2Delay

Data Type	Description	RW	Status
Integer32	SAT2 Compensation Delay: -999999999~999999999	read-write	Current

2.1.8. syncSourceSat2MulType

The OID is 1.3.6.1.4.1.45454.2.1.3.1.8. The definition please see the below table.

Table 8 –syncSourceSat2MulType

Data Type	Description	RW	Status
Integer32	SAT2 Source Type: 0-NONE;1-SYNC;2-PEER	read-write	Current

2.1.9. syncSourceSat2ChannelType

The OID is 1.3.6.1.4.1.45454.2.1.3.1.9. The definition please see the below table.

Table 9 –syncSourceSat2ChannelType

Data Type	Description	RW	Status
Integer32	SAT1 Channel Type: 0-UBLOX5; 1-UBLOX8; 2-AT3340; 3-HWA210B; 4-HWA210L	read-write	Current

2.1.10. syncSourceSat2SatMode

The OID is 1.3.6.1.4.1.45454.2.1.3.1.10. The definition please see the below table.

Table 10 –syncSourceSat2SatMode

Data Type	Description	RW	Status
Integer32	SAT2 Work Mode: 0-Auto; 1-A-BDS; 2-A-GPS; 3-A-GLONASS; 4-F-BDS; 5-F-GPS; 6-F-GLONASS	read-write	Current

2.1.11. syncSourceIrigb1Priority

The OID is 1.3.6.1.4.1.45454.2.1.3.1.11. The definition please see the below table.

Table 11 –syncSourceIrigb1Priority

Data Type	Description	RW	Status
Integer32	IRIG-B1 Channel Priority: 1~10	read-write	Current

2.1.12. syncSourceIrigb1MulType

The OID is 1.3.6.1.4.1.45454.2.1.3.1.12. The definition please see the below table.

Table 12 –syncSourceIrigb1MulType

Data Type	Description	RW	Status
Integer32	IRIG-B1 Source Type: 0-NONE;1-SYNC;2-PEER	read-write	Current

2.1.13. syncSourceIrigb1Channel

The OID is 1.3.6.1.4.1.45454.2.1.3.1.13. The definition please see the below table.

Table 13 –syncSourceIrigb1Channel

Data Type	Description	RW	Status
Integer32	IRIG-B1 Channel Type: 2-FI1; 3-FI2	read-write	Current

2.1.14. syncSourceIrigb1Input

The OID is 1.3.6.1.4.1.45454.2.1.3.1.14. The definition please see the below table.

Table 14 –syncSourceIrigb1Input

Data Type	Description	RW	Status
Integer32	IRIG-B1 Input Format: 0-DC+; 3-DC-	read-write	Current

2.1.15. syncSourceIrigb1Offset

The OID is 1.3.6.1.4.1.45454.2.1.3.1.15. The definition please see the below table.

Table 15 –syncSourceIrigb1Offset

Data Type	Description	RW	Status
OCTET STRING	IRIG-B1 Offset with UTC: -12~12	read-write	Current

2.1.16. syncSourceIrigb2Priority

The OID is 1.3.6.1.4.1.45454.2.1.3.1.16. The definition please see the below table.

Table 16 –syncSourceIrigb2Priority

Data Type	Description	RW	Status
Integer32	IRIG-B2 Channel Priority: 1~10	read-write	Current

2.1.17. syncSourceIrigb2MulType

The OID is 1.3.6.1.4.1.45454.2.1.3.1.17. The definition please see the below table.

Table 17 –syncSourceIrigb2MulType

Data Type	Description	RW	Status
Integer32	IRIG-B2 Source Type: 0-NONE;1-SYNC;2-PEER	read-write	Current

2.1.18. syncSourceIrigb2Channel

The OID is 1.3.6.1.4.1.45454.2.1.3.1.18. The definition please see the below table.

Table 18 –syncSourceIrigb2Channel

Data Type	Description	RW	Status
Integer32	IRIG-B2 Channel Type: 2-FI1; 3-FI2	read-write	Current

2.1.19. syncSourceIrigb2Input

The OID is 1.3.6.1.4.1.45454.2.1.3.1.19. The definition please see the below table.

Table 19 –syncSourceIrigb2Input

Data Type	Description	RW	Status
Integer32	IRIG-B2 Input Format: 0-DC+; 3-DC-	read-write	Current

2.1.20. syncSourceIrigb2Offset

The OID is 1.3.6.1.4.1.45454.2.1.3.1.20. The definition please see the below table.

Table 20 –syncSourceIrigb2Offset

Data Type	Description	RW	Status
OCTET STRING	IRIG-B2 Offset with UTC: -12~12	read-write	Current

2.1.21. syncSourcePtpPriority

The OID is 1.3.6.1.4.1.45454.2.1.3.1.21. The definition please see the below table.

Table 21 –syncSourcePtpPriority

Data Type	Description	RW	Status
Integer32	PTP Channel Priority: 1~10	read-write	Current

2.1.22. syncSourcePtpMulType

The OID is 1.3.6.1.4.1.45454.2.1.3.1.22. The definition please see the below table.

Table 22 –syncSourcePtpMulType

Data Type	Description	RW	Status
Integer32	PTP Source Type: 0-NONE;1-SYNC;2-PEER	read-write	Current

2.1.23. syncSourceSyncMode

The OID is 1.3.6.1.4.1.45454.2.1.3.1.23. The definition please see the below table.

Table 23 –syncSourceSyncMode

Data Type	Description	RW	Status
Integer32	Source Work Mode: 0-Single; 1-Multiple	read-write	Current

2.2. MIB Table Node

2.2.1. syncSourceTable

The OID is 1.3.6.1.4.1.45454.2.1.3.2.1.1. The definition please see the below table.

Table 24 –syncSourceTable Column

Name	Data Type	Description	RW
syncSourceStatus[3]	OCTET STRING	Source Status: Normal; Alarm	Read-only
syncSourceNsatTracked[4]	Integer32	Satellite Number: 0~255	Read-only
syncSourceAntennaStatus[5]	OCTET STRING	Antenna Status:	Read-only

		Normal; Alarm	
syncSourceBump[6]	OCTET STRING	Bump Status: Normal; Alarm	Read-only
syncSourcePriority[7]	Integer32	Source Priority: 1~10	Read-only

Table 25 –syncSourceTable Row

Name	Description	Status
SAT1[2]	SAT1 Source Channel	Current
SAT2[3]	SAT2 Source Channel	Current
IRIG-B1[5]	IRIG-B1 Source Channel	Current
IRIG-B2[6]	IRIG-B2 Source Channel	Current
PTP[7]	PTP Source Channel	Current

3. TIMECLOCK-MIB

3.1. MIB Single Node

3.1.1. timeClockTimeZone

The OID is 1.3.6.1.4.1.45454.2.1.4.1.1. The definition please see the below table.

Table 26 –timeClockTimeZone

Data Type	Description	RW	Status
OCTET STRING	Time Zone: -12~12	read-write	Current

3.1.2. timeClockUtcDiff

The OID is 1.3.6.1.4.1.45454.2.1.4.1.2. The definition please see the below table.

Table 27 –timeClockUtcDiff

Data Type	Description	RW	Status
Integer32	TAI offset with UTC: -32768~32767	read-write	Current

3.1.3. timeClockTAIEnable

The OID is 1.3.6.1.4.1.45454.2.1.4.1.3. The definition please see the below table.

Table 28 –timeClockTAIEnable

Data Type	Description	RW	Status
Integer32	TAI Enable: 0-UTC; 1-TAI	read-write	Current

3.1.4. timeClockOutputEnable

The OID is 1.3.6.1.4.1.45454.2.1.4.1.4. The definition please see the below table.

Table 29 –timeClockOutputEnable

Data Type	Description	RW	Status
Integer32	Output Control Mode: 0-Always; 1-Local	read-write	Current

3.1.5. timeClockDaylightReference

The OID is 1.3.6.1.4.1.45454.2.1.4.1.5. The definition please see the below table.

Table 30 –timeClockDaylightReference

Data Type	Description	RW	Status
Integer32	DST Mode: 0-UTC; 1-LOCAL	read-write	Current

3.1.6. timeClockDaylightZone

The OID is 1.3.6.1.4.1.45454.2.1.4.1.6. The definition please see the below table.

Table 31 –timeClockDaylightZone

Data Type	Description	RW	Status
OCTET STRING	DST Offset: -12~12	read-write	Current

3.1.7. timeClockDaylightNumber0

The OID is 1.3.6.1.4.1.45454.2.1.4.1.7. The definition please see the below table.

Table 32 –timeClockDaylightNumber0

Data Type	Description	RW	Status
Integer32	DST Start Index: 0-1st; 1-2nd; 2-3rd; 3-4th; 4-5th; 5-Last	read-write	Current

3.1.8. timeClockDaylightWeekday0

The OID is 1.3.6.1.4.1.45454.2.1.4.1.8. The definition please see the below table.

Table 33 –timeClockDaylightWeekday0

Data Type	Description	RW	Status
Integer32	DST Start Weekday: 0-SUN; 1-MON; 2-TUE; 3-WED; 4-THU; 5-FRI; 6-SAT	read-write	Current

3.1.9. timeClockDaylightMonth0

The OID is 1.3.6.1.4.1.45454.2.1.4.1.9. The definition please see the below table.

Table 34 –timeClockDaylightWeekday0

Data Type	Description	RW	Status
Integer32	DST Start Month: 0-JAN; 1-FEB; 2-MAR; 3-APR; 4-MAY; 5-JUN; 6-JUL; 7-AUG; 8-SEP; 9-OCT; 10-NOV; 11-DEC	read-write	Current

3.1.10. timeClockDaylightTime0

The OID is 1.3.6.1.4.1.45454.2.1.4.1.10. The definition please see the below table.

Table 35 –timeClockDaylightTime0

Data Type	Description	RW	Status
OCTET STRING	DST Start Time: 0~24	read-write	Current

3.1.11. timeClockDaylightNumber1

The OID is 1.3.6.1.4.1.45454.2.1.4.1.11. The definition please see the below table.

Table 36 –timeClockDaylightNumber1

Data Type	Description	RW	Status
Integer32	DST Stop Index: 0-1st; 1-2nd; 2-3rd; 3-4th; 4-5th; 5-Last	read-write	Current

3.1.12. timeClockDaylightWeekday1

The OID is 1.3.6.1.4.1.45454.2.1.4.1.12. The definition please see the below table.

Table 37 –timeClockDaylightWeekday1

Data Type	Description	RW	Status
Integer32	DST Stop Weekday: 0-SUN; 1-MON; 2-TUE; 3-WED; 4-THU; 5-FRI; 6-SAT	read-write	Current

3.1.13. timeClockDaylightMonth1

The OID is 1.3.6.1.4.1.45454.2.1.4.1.13. The definition please see the below table.

Table 38 –timeClockDaylightWeekday1

Data Type	Description	RW	Status
Integer32	DST Stop Month: 0-JAN; 1-FEB; 2-MAR; 3-APR; 4-MAY; 5-JUN; 6-JUL; 7-AUG; 8-SEP; 9-OCT; 10-NOV; 11-DEC	read-write	Current

3.1.14. timeClockDaylightTime1

The OID is 1.3.6.1.4.1.45454.2.1.4.1.14. The definition please see the below table.

Table 39 –timeClockDaylightTime1

Data Type	Description	RW	Status
OCTET STRING	DST Stop Time:	read-write	Current

	0~24		

3.1.15. timeClockSelectSource

The OID is 1.3.6.1.4.1.45454.2.1.4.2.1. The definition please see the below table.

Table 40 –timeClockSelectSource

Data Type	Description	RW	Status
OCTET STRING	The Current Time Source: SAT1; SAT2; IRIG-B1; IRIG-B2; LOCAL; PTP	read-only	Current

3.1.16. timeClockInitalState

The OID is 1.3.6.1.4.1.45454.2.1.4.2.2. The definition please see the below table.

Table 41 –timeClockInitalState

Data Type	Description	RW	Status
OCTET STRING	Initialization Status: Initialized; Initializing	read-only	Current

3.1.17. timeClockLockState

The OID is 1.3.6.1.4.1.45454.2.1.4.2.3. The definition please see the below table.

Table 42 –timeClockLockState

Data Type	Description	RW	Status
OCTET STRING	Oscillator Lock Status: Locked; Locking	read-only	Current

3.1.18. timeClockHoldState

The OID is 1.3.6.1.4.1.45454.2.1.4.2.4. The definition please see the below table.

Table 43 –timeClockHoldState

Data Type	Description	RW	Status
OCTET STRING	Clock Status: Tracking; Hold	read-only	Current

3.1.19. timeClockTemperature

The OID is 1.3.6.1.4.1.45454.2.1.4.2.5. The definition please see the below table.

Table 44 –timeClockTemperature

Data Type	Description	RW	Status
Integer32	Operation Temperature	read-only	Current

3.1.20. timeClockPower1State

The OID is 1.3.6.1.4.1.45454.2.1.4.2.6. The definition please see the below table.

Table 45 –timeClockPower1State

Data Type	Description	RW	Status
OCTET STRING	#1 Power Supply Status: Normal; Alarm	read-only	Current

3.1.21. timeClockPower2State

The OID is 1.3.6.1.4.1.45454.2.1.4.2.7. The definition please see the below table.

Table 46 –timeClockPower2State

Data Type	Description	RW	Status
OCTET STRING	#2 Power Supply Status: Normal; Alarm	read-only	Current

3.1.22. timeClockFreq

The OID is 1.3.6.1.4.1.45454.2.1.4.2.8. The definition please see the below table.

Table 47 –timeClockFreq

Data Type	Description	RW	Status
OCTET STRING	Power Grid Frequency	read-only	Current

3.1.23. timeClockVersion

The OID is 1.3.6.1.4.1.45454.2.1.4.2.9. The definition please see the below table.

Table 48 –timeClockVersion

Data Type	Description	RW	Status
OCTET STRING	Version Information	read-only	Current

3.1.24. timeClockLongitude

The OID is 1.3.6.1.4.1.45454.2.1.4.2.10. The definition please see the below table.

Table 49 –timeClockLongitude

Data Type	Description	RW	Status
OCTET STRING	Longitude Information	read-only	Current

3.1.25. timeClockLatitude

The OID is 1.3.6.1.4.1.45454.2.1.4.2.11. The definition please see the below table.

Table 50 –timeClockLatitude

Data Type	Description	RW	Status
OCTET STRING	Latitude Information	read-only	Current

3.1.26. timeClockHeight

The OID is 1.3.6.1.4.1.45454.2.1.4.2.12. The definition please see the below table.

Table 51 –timeClockHeight

Data Type	Description	RW	Status
OCTET STRING	Height Information	read-only	Current

4. NTP-MIB

4.1. MIB Single Node

4.1.1. ntpServerEnable

The OID is 1.3.6.1.4.1.45454.2.1.2.1.1. The definition please see the below table.

Table 52 –ntpServerEnable

Data Type	Description	RW	Status
Integer32	Enable NTP Service: 0-Disable; 1-Enable	read-write	Current

4.1.2. ntpUtcOffset

The OID is 1.3.6.1.4.1.45454.2.1.2.1.2. The definition please see the below table.

Table 53 –ntpUtcOffset

Data Type	Description	RW	Status
OCTET STRING	NTP Offset with UTC: -12~12	read-write	Current

5. PTP-MIB

5.1. MIB Single Node

5.1.1. ptpGmcMode

The OID is 1.3.6.1.4.1.45454.2.1.1.1.1. The definition please see the below table.

Table 54 –ptpGmcMode

Data Type	Description	RW	Status
Integer32	PTP Clock Mode: 1-MASTER; 2-SLAVE; 3-BOUNDARY	read-write	Current

5.1.2. ptpDelayMechanism

The OID is 1.3.6.1.4.1.45454.2.1.1.1.2. The definition please see the below table.

Table 55 –ptpDelayMechanism

Data Type	Description	RW	Status
Integer32	PTP Delay Measurement Mode: 1-E2E; 2-P2P; 254-DISABLE	read-write	Current

5.1.3. ptpSyncInterval

The OID is 1.3.6.1.4.1.45454.2.1.1.1.3. The definition please see the below table.

Table 56 –ptpSyncInterval

Data Type	Description	RW	Status
Integer32	Sync Interval: -8~4; 5-STOP	read-write	Current

5.1.4. ptpDelayInterval

The OID is 1.3.6.1.4.1.45454.2.1.1.1.4. The definition please see the below table.

Table 57 –ptpDelayInterval

Data Type	Description	RW	Status
Integer32	Delay Measurement Interval: -8~4; 5-STOP	read-write	Current

5.1.5. ptpDomain1

The OID is 1.3.6.1.4.1.45454.2.1.1.1.5. The definition please see the below table.

Table 58 –ptpDomain1

Data Type	Description	RW	Status
Integer32	Domain #1: 0~3	read-write	Current

5.1.6. ptpDomain2

The OID is 1.3.6.1.4.1.45454.2.1.1.1.6. The definition please see the below table.

Table 59 –ptpDomain2

Data Type	Description	RW	Status
Integer32	Domain #2: 0~3	read-write	Current

5.1.7. ptpPriority1

The OID is 1.3.6.1.4.1.45454.2.1.1.1.7. The definition please see the below table.

Table 60 –ptpPriority1

Data Type	Description	RW	Status
Integer32	PTP Priority1: 0~255	read-write	Current

5.1.8. ptpPriority2

The OID is 1.3.6.1.4.1.45454.2.1.1.1.8. The definition please see the below table.

Table 61 –ptpPriority2

Data Type	Description	RW	Status
Integer32	PTP Priority2: 0~255	read-write	Current

5.1.9. ptpMediaType

The OID is 1.3.6.1.4.1.45454.2.1.1.1.9. The definition please see the below table.

Table 62 –ptpMediaType

Data Type	Description	RW	Status
Integer32	PTP Over: 1-IPv4; 3-802.3	read-write	Current

5.1.10. ptpInBoundLantency

The OID is 1.3.6.1.4.1.45454.2.1.1.1.10. The definition please see the below table.

Table 63 –ptpInBoundLantency

Data Type	Description	RW	Status
Integer32	PTP Input Compensation:	read-write	Current

	-999999999~999999999		

5.1.11. ptpOutBoundLantency

The OID is 1.3.6.1.4.1.45454.2.1.1.1.11. The definition please see the below table.

Table 64 –ptpOutBoundLantency

Data Type	Description	RW	Status
Integer32	PTP Output Compensation: -999999999~999999999	read-write	Current

5.1.12. ptpVlanEnable

The OID is 1.3.6.1.4.1.45454.2.1.1.1.12. The definition please see the below table.

Table 65 –ptpVlanEnable

Data Type	Description	RW	Status
Integer32	Enable VLan: 0-NO; 1-YES	read-write	Current

5.1.13. ptpVlanPriority

The OID is 1.3.6.1.4.1.45454.2.1.1.1.13. The definition please see the below table.

Table 66 –ptpVlanPriority

Data Type	Description	RW	Status
Integer32	VLan Priority: 0~7	read-write	Current

5.1.14. ptpVlanCFI

The OID is 1.3.6.1.4.1.45454.2.1.1.1.14. The definition please see the below table.

Table 67 –ptpVlanCFI

Data Type	Description	RW	Status
Integer32	VLan CFI: 0~1	read-write	Current

5.1.15. ptpVlanTag

The OID is 1.3.6.1.4.1.45454.2.1.1.1.15. The definition please see the below table.

Table 68 –ptpVlanTag

Data Type	Description	RW	Status
Integer32	VLan Tag ID: 0~4095	read-write	Current

5.1.16. ptpCoodinate

The OID is 1.3.6.1.4.1.45454.2.1.1.1.16. The definition please see the below table.

Table 69 –ptpCoodinate

Data Type	Description	RW	Status
Integer32	Enable Master BMC: 0-NO; 1-YES	read-write	Current

6. OUTPUT-MIB

6.1. MIB Single Node

6.1.1. outputIRIGBAccp

The OID is 1.3.6.1.4.1.45454.2.1.5.1.2. The definition please see the below table.

Table 70 –outputIRIGBAccp

Data Type	Description	RW	Status
OCTET STRING	IRIG-B Modulated P-P: 3~12	read-write	Current

6.1.2. outputIRIGBRatio

The OID is 1.3.6.1.4.1.45454.2.1.5.1.3. The definition please see the below table.

Table 71 –outputIRIGBRatio

Data Type	Description	RW	Status
OCTET STRING	IRIG-B Modulated Ratio: 3~6	read-write	Current

6.1.3. outputSerialBaudrate

The OID is 1.3.6.1.4.1.45454.2.1.5.1.4. The definition please see the below table.

Table 72 –outputSerialBaudrate

Data Type	Description	RW	Status
Integer32	Serial Baudrate: 0-300; 1-600; 2-1200; 3-2400; 4-4800; 5-9600; 6-19200; 7-38400; 8-76800; 9-115200	read-write	Current

6.1.4. outputSerialPPSOutput

The OID is 1.3.6.1.4.1.45454.2.1.5.1.5. The definition please see the below table.

Table 73 –outputSerialPPSOutput

Data Type	Description	RW	Status
Integer32	SO-PPS Output Type: 0-PPS; 1-IRIG; 3-PPM; 4-PPH	read-write	Current

6.1.5. outputSerialTxDOutput

The OID is 1.3.6.1.4.1.45454.2.1.5.1.6. The definition please see the below table.

Table 74 –outputSerialTxDOutput

Data Type	Description	RW	Status
Integer32	SO-TXD Output Type: 8-TOD	read-write	Current

6.1.6. outputSerialMsgType

The OID is 1.3.6.1.4.1.45454.2.1.5.1.7. The definition please see the below table.

Table 75 –outputSerialMsgType

Data Type	Description	RW	Status
Integer32	Serial Message Type: 0-NMEA-RMC; 1-NMEA-ZDA; 2-CM-TOD; 3-DL/T1100; 4-CMMB	read-write	Current

6.1. MIB Table Node

6.1.1. outputTable

The OID is 1.3.6.1.4.1.45454.2.1.5.1.1.1. The definition please see the below table.

Table 76 –outputTable Column

Name	Data Type	Description	RW
outputSignal[3]	Integer32	Output Signal: 0-PPS; 1-IRIG; 3-PPM; 4-PPH	read-write
outputShift[4]	Integer32	PPS Compensation: -250000000~250000000	read-write
outputSecOffset[5]	Integer32	Second Compensation: -999999999~999999999	read-write
outputOutTimeType[6]	Integer32	Time Format: 0-UTC; 1-TAI; 2-LOCAL	read-write
outputParity[7]	Integer32	Parity Mode: 0-Odd; 1-Even	read-write
outputPolarity[8]	Integer32	Polarity Mode: 0-Normal; 1-Invert	read-write

Table 77 –outputTable Row

Name	Description	Status
SO[1]	Programmable Serial Channel	Current

O1[2]	Programmable Output #1 Channel	Current
O2[3]	Programmable Output #2 Channel	Current
O3[4]	Programmable Output #3 Channel	Current
O4[5]	Programmable Output #4 Channel	Current
O5[6]	Programmable Output #5 Channel	Current

7. NETWORK-MIB

7.1. MIB Table Node

7.1.1. networkTable

The OID is 1.3.6.1.4.1.45454.2.1.6.1.1.1. The definition please see the below table.

Table 78 –networkTable Column

Name	Data Type	Description	RW
networkIpAddress[3]	IPADDRESS	IP Address	read-write
networkMaskAddress[4]	IPADDRESS	IP Mask Address	read-write
networkMode[5]	Integer32	Mode(Type#1): 0-Auto; 1-100M-FX FDX; 2-100M-FX HDX; 4-1000M-X FDX; 5-1000M-X HDX	read-write
		Mode(Type#2): 0-Auto; 1-Force	read-write

Table 79 –networkTable Row

Name	Description	Status
Eth0[1]	Eth0 Network	Current
Eth1[2]	Eth1 Network	Current

7.1.2. networkexpTable

The OID is 1.3.6.1.4.1.45454.2.1.6.1.2.1. The definition please see the below table.

Table 80 –networkexpTable Column

Name	Data Type	Description	RW
networkExpIpAddress[3]	IPADDRESS	IP Address	read-write
networkExpMaskAddress[4]	IPADDRESS	IP Mask Address	read-write

Table 81 –networkexpTable Row

Name	Description	Status
Eth2[1]	Eth0 Network	Current
Eth3[2]	Eth1 Network	Current

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