



FIBRE-CHANNEL-FE-MIB Objects

This section covers the implementation details for the Fabric Element Management Information Base (FIBRE-CHANNEL-FE-MIB) on the Cisco MDS 9020 Fabric Switch.



Note

You can access and download the FIBRE-CHANNEL-FE-MIB document from the following link:
<http://rfc.net/rfc2837.html>

FIBRE CHANNEL-FE-MIB Definitions

The textual substitutions in [Table 4-1](#) are specific to the FIBRE-CHANNEL-FE-MIB and can be used in place of primitive data types.

Table 4-1 FIBRE-CHANNEL-FE-MIB Textual Substitutions

Description	Syntax
MilliSeconds	Unsigned32
MicroSeconds	Unsigned32
FcNameId	OCTET STRING (SIZE (8))
FcAddressId	OCTET STRING (SIZE (3))
FcRxDataFieldSize	Integer32 (128..2112)
FcBbCredit	Integer32 (0..32767)
FcphVersion	Integer32 (0..255)
FcStackedConnMode	INTEGER { none(1), transparent(2), lockedDown(3) }

Send documentation comments to mdsfeedback-doc@cisco.com.

Table 4-1 FIBRE-CHANNEL-FE-MIB Textual Substitutions (continued)

Description	Syntax
FcCosCap	BITS { classF(0), class1(1), class2(2), class3(3), class4(4), class5(5), class6(6) }
FcCosCap	BITS { classF(0), class1(1), class2(2), class3(3), class4(4), class5(5), class6(6) }
FcFeModuleCapacity	Unsigned32
FcFeFxPortCapacity	Unsigned32
FcFeModuleIndex	Unsigned32
FcFeFxPortIndex	Unsigned32
FcFeNxPortIndex	Integer32 (1..126)
FcBbCreditModel	INTEGER { regular(1), alternate (2) }

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Configuration Group

This group consists of scalar objects and tables. It contains the configuration and service parameters of the Fabric Element and the FxPorts. The group represents a set of parameters associated with the Fabric Element or an FxPort to support its NxPorts. The objects described in this section are not in a table format. An example of how to access one of these objects is:

```
"snmpget localhost public fcFeFabricName.0".
```

- [fcFeFabricName \(1.3.6.1.2.1.75.1.1.1\)](#), page 4-4
- [fcFeElementName \(1.3.6.1.2.1.75.1.1.2\)](#), page 4-5
- [fcFeModuleCapacity \(1.3.6.1.2.1.75.1.1.3\)](#), page 4-6

Send documentation comments to mdsfeedback-doc@cisco.com.

fcFeFabricName (1.3.6.1.2.1.75.1.1.1)

The Name_Identifier of the fabric to which this fabric element belongs.

Syntax Description FcNameId

Access Read-write

Status Current

Return Value The switch WWN. For example, 10 00 00 C0 DD 00 71 C9. Writes are not supported.

Send documentation comments to mdsfeedback-doc@cisco.com.

fcFeElementName (1.3.6.1.2.1.75.1.1.2)

The Name_Identifier of the Fabric Element.

Syntax Description FcNameId

Access Read-write

Status Current

Return Value The switch WWN. For example, 10 00 00 C0 DD 00 71 C9. Writes are not supported.

Send documentation comments to mdsfeedback-doc@cisco.com.

fcFeModuleCapacity (1.3.6.1.2.1.75.1.1.3)

The maximum number of modules in the fabric element, regardless of their current state.

Syntax Description FcFeModuleCapacity

Access Read-only

Status Current

Return Value The total number of switches in the fabric if ProxyEnable setting is Enabled on the out-of-band switch. If ProxyEnable setting is disabled on the out-of-band switch, return value = 1.

Send documentation comments to mdsfeedback-doc@cisco.com.

Module Table

The objects described in this section are in table format indexed by switch. An example of how to access one of these objects is “snmpget localhost public fcFeModuleDescr.1”. This table contains one entry for each module.

- [fcFeModuleDescr \(1.3.6.1.2.1.75.1.1.4.1.2\)](#), page 4-8
- [fcFeModuleObjectID \(1.3.6.1.2.1.75.1.1.4.1.3\)](#), page 4-9
- [fcFeModuleOperStatus \(1.3.6.1.2.1.75.1.1.4.1.4\)](#), page 4-10
- [fcFeModuleLastChange \(1.3.6.1.2.1.75.1.1.4.1.5\)](#), page 4-11
- [fcFeModuleFxPortCapacity \(1.3.6.1.2.1.75.1.1.4.1.6\)](#), page 4-12
- [fcFeModuleName \(1.3.6.1.2.1.75.1.1.4.1.7\)](#), page 4-13

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fcFeModuleDescr (1.3.6.1.2.1.75.1.1.4.1.2)

A textual description of the module. This value should include the full name and version identification of the module.

Syntax Description SnmpAdminString

Access Read-only

Status Current

Return Value A configurable description of the module table entry. The default is MDS 9020 FC Switch.

Send documentation comments to mdsfeedback-doc@cisco.com.

fcFeModuleObjectID (1.3.6.1.2.1.75.1.1.4.1.3)

The vendor's authoritative identification of the module. This value may be allocated within the SMI enterprises subtree (1.3.6.1.4.1), and provides a means for determining what kind of module is being managed.

For example, this object could take the value 1.3.6.1.4.1.99649.3.9 if vendor "Neufe Inc." was assigned the subtree 1.3.6.1.4.1.99649, and had assigned the identifier 1.3.6.1.4.1.99649.3.9 to its FeFiFo-16 PlugInCard.

Syntax Description	OBJECT IDENTIFIER
Access	Read-only
Status	Current
Return Value	1.3.6.1.4.1.9.12.3.1.3.514

[Send documentation comments to mdsfeedback-doc@cisco.com.](mailto:mdsfeedback-doc@cisco.com)

fcFeModuleOperStatus (1.3.6.1.2.1.75.1.1.4.1.4)

Switch definitions map 1-to-1 with the MIB definitions. This object indicates the operational status of the module.

- online (1) - the module is functioning properly
- offline (2) - the module is not available
- testing (3) - the module is under testing
- faulty (4) - the module is defective in some way

INTEGER { online(1), offline(2), testing(3), faulty(4) }

Syntax Description	Value	Description
online(1)	1	Functional
offline(2)	2	Not available
testing(3)	3	Under testing
faulty(4)	4	Defective

Access Read-only

Status Current

Return Value The operational status of that module.

Table 4-2 Module Operational Status Return Values

Mode	Return Value
online	online(1)
offline	offline(2)
diagnostics	testing(3)
other	faulty(4)

Send documentation comments to mdsfeedback-doc@cisco.com.

fcFeModuleLastChange (1.3.6.1.2.1.75.1.1.4.1.5)

This object contains the value of sysUpTime when the module entered its current operational status. A value of zero indicates that the operational status of the module has not changed since the agent last restarted.

Syntax Description TimeStamp

Access Read-only

Status Current

Return Value Returns the time when the last status change occurred.

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fcFeModuleFxpPortCapacity (1.3.6.1.2.1.75.1.1.4.1.6)

The number of FxPort that can be contained within the module. Within each module, the ports are uniquely numbered in the range from 1 to fcFeModuleFxpPortCapacity inclusive. However, the numbers are not required to be contiguous.

Syntax Description FcFeFxpPortCapacity

Access Read-only

Status Current

Return Value The total number of ports capability on the switch (20).

Send documentation comments to mdsfeedback-doc@cisco.com.

fcFeModuleName (1.3.6.1.2.1.75.1.1.4.1.7)

The Name_Identifier of the switch.

Syntax Description	FcNameId
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Access	Read-write
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Status	Current
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Return Value	The switch WWN. Writes are not supported. For example, 10 00 00 C0 DD 00 71 C9.
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Send documentation comments to mdsfeedback-doc@cisco.com.

FxPort Configuration Table

The objects described in this section are in table format indexed by switch index and port index. An example of how to access one of these objects is “snmpget localhost public fcFxPortName.1.1”. This table contains one entry for each FxPort and Configuration parameters of the ports. This table contains, one entry for each FxPort, configuration parameters of the ports.

- [fcFxPortName \(1.3.6.1.2.1.75.1.1.5.1.2\)](#), page 4-15
- [fcFxPortFcpVersionHigh \(1.3.6.1.2.1.75.1.1.5.1.3\)](#), page 4-16
- [fcFxPortFcpVersionLow \(1.3.6.1.2.1.75.1.1.5.1.4\)](#), page 4-17
- [fcFxPortBbCredit \(1.3.6.1.2.1.75.1.1.5.1.5\)](#), page 4-18
- [fcFxPortRxBufSize \(1.3.6.1.2.1.75.1.1.5.1.6\)](#), page 4-19
- [fcFxPortRatov \(1.3.6.1.2.1.75.1.1.5.1.7\)](#), page 4-20
- [fcFxPortEdtov \(1.3.6.1.2.1.75.1.1.5.1.8\)](#), page 4-21
- [fcFxPortCosSupported \(1.3.6.1.2.1.75.1.1.5.1.9\)](#), page 4-22
- [fcFxPortIntermixSupported \(1.3.6.1.2.1.75.1.1.5.1.10\)](#), page 4-23
- [fcFxPortStackedConnMode \(1.3.6.1.2.1.75.1.1.5.1.11\)](#), page 4-24
- [fcFxPortClass2SeqDeliv \(1.3.6.1.2.1.75.1.1.5.1.12\)](#), page 4-25
- [fcFxPortClass3SeqDeliv \(1.3.6.1.2.1.75.1.1.5.1.13\)](#), page 4-26
- [fcFxPortHoldTime \(1.3.6.1.2.1.75.1.1.5.1.14\)](#), page 4-27

Send documentation comments to mdsfeedback-doc@cisco.com.

fcFxpPortName (1.3.6.1.2.1.75.1.1.5.1.2)

The WWPN of this FxPort. Each FxPort has a unique WWPN within the fabric.

Syntax Description FcNameId

Access Read-only

Status Current

Return Value Returns the WWPN for each port on switch. For example, the return value for port #2 would be 20 02 00 C0 DD 00 71 C9, and the return value for port #14 would be 20 0E 00 C0 DD 00 71 C9.

■ fcFxpPortFcphVersionHigh (1.3.6.1.2.1.75.1.1.5.1.3)

Send documentation comments to mdsfeedback-doc@cisco.com.

fcFxpPortFcphVersionHigh (1.3.6.1.2.1.75.1.1.5.1.3)

The highest or most recent version of FC-PH that the FxPort is configured to support.

Syntax Description	FcphVersion
Access	Read-only
Status	Current
Return Value	Always returns 32 (0x20)

Send documentation comments to mdsfeedback-doc@cisco.com.

fcFxPortFcphVersionLow (1.3.6.1.2.1.75.1.1.5.1.4)

The lowest or earliest version of FC-PH that the FxPort is configured to support.

Syntax Description	FcphVersion
Access	Read-only
Status	Current
Return Value	Always returns 9

Send documentation comments to mdsfeedback-doc@cisco.com.

fcFxPortBbCredit (1.3.6.1.2.1.75.1.1.5.1.5)

The total number of receive buffers available for holding Class 1 connect-request, Class 2, or Class3 frames from the attached NxPort. It is for buffer-to-buffer flow control in the direction from the attached NxPort (if applicable) to FxPort.

Syntax Description FcBbCredit

Access Read-only

Status Current

Return Value The default number of receive buffers for each port, unless extended credits are used (16).

Send documentation comments to mdsfeedback-doc@cisco.com.

fcFxpPortRxBufSize (1.3.6.1.2.1.75.1.1.5.1.6)

The largest Data_Field Size (in octets) for an FT_1 frame that can be received by the FxPort.

Syntax Description	FcRxDataFieldSize
Access	Read-only
Status	Current
Return Value	Always returns 2112 (0x840)

■ fcFxpPortRatov (1.3.6.1.2.1.75.1.1.5.1.7)

Send documentation comments to mdsfeedback-doc@cisco.com.

fcFxpPortRatov (1.3.6.1.2.1.75.1.1.5.1.7)

The Resource_Allocation_Timeout Value configured for the FxPort. This is used as the timeout value for determining when to reuse an NxPort resource such as a Recovery_Qualifier. It represents E_D_TOV plus twice the maximum time that a frame may be delayed within the fabric and still be delivered. See “[fcFxpPortEdtov \(1.3.6.1.2.1.75.1.1.5.1.8\)](#)” section on page 4-21 for more information.

Syntax Description MilliSeconds

Access Read-only

Status Current

Return Value The default is 10000 (0x2710).

Send documentation comments to mdsfeedback-doc@cisco.com.

fcFxPortEdtov (1.3.6.1.2.1.75.1.1.5.1.8)

The E_D_TOV value configured for the FxPort. The Error_Detect_Timeout Value is used as the timeout value for detecting an error condition.

Syntax Description	MilliSeconds
Access	Read-only
Status	Current
Return Value	The default is 2000 (0x7D0).

Send documentation comments to mdsfeedback-doc@cisco.com.

fcFxpPortCosSupported (1.3.6.1.2.1.75.1.1.5.1.9)

A value indicating the set of classes of service supported by the FxPort.

Syntax Description	FcCosCap
Access	Read-only
Status	Current
Return Value	Always returns Class 3, 2, and F (0x0D)

Send documentation comments to mdsfeedback-doc@cisco.com.

fcFxPortIntermixSupported (1.3.6.1.2.1.75.1.1.5.1.10)

A flag indicating whether or not the FxPort supports an Intermixed Dedicated Connection.

Syntax Description	TruthValue
Access	Read-only
Status	Current
Return Value	Always returns False (2)

■ fcFxPortStackedConnMode (1.3.6.1.2.1.75.1.1.5.1.11)

Send documentation comments to mdsfeedback-doc@cisco.com.

fcFxPortStackedConnMode (1.3.6.1.2.1.75.1.1.5.1.11)

A value indicating the mode of Stacked Connect supported by the FxPort.

Syntax Description	FcStackedConnMode
Access	Read-only
Status	Current
Return Value	Always returns None (1)

Send documentation comments to mdsfeedback-doc@cisco.com.

fcFxpPortClass2SeqDeliv (1.3.6.1.2.1.75.1.1.5.1.12)

A flag indicating whether or not Class 2 Sequential Delivery is supported by the FxPort.

Syntax Description TruthValue

Access Read-only

Status Current

Return Value Always returns True (1)

Send documentation comments to mdsfeedback-doc@cisco.com.

fcFxPortClass3SeqDeliv (1.3.6.1.2.1.75.1.1.5.1.13)

A flag indicating whether or not Class 3 Sequential Delivery is supported by the FxPort.

Syntax Description	Truth Value
Access	Read-only
Status	Current
Return Value	Always returns True (1)

Send documentation comments to mdsfeedback-doc@cisco.com.

fcFxpPortHoldTime (1.3.6.1.2.1.75.1.1.5.1.14)

The maximum time, in microseconds, that the FxPort shall hold a frame before discarding the frame if it is unable to deliver the frame. The value 0 means that the FxPort does not support this parameter.

Syntax Description	MicroSeconds
Access	Read-only
Status	Current
Return Value	The default ED_TOV parameter is 2000 (0x7D0).

Send documentation comments to mdsfeedback-doc@cisco.com.

Status Group

The objects described in this section are in table format indexed by switch index and port index. An example of how to access one of these objects is “snmpget localhost public fcFxpPortId.1.1”. This group consists of tables that contain operational status and established service parameters for the Fabric Element and the attached NxPorts.

This group consists of tables that contains operational status and established service parameters for the Fabric Element and the attached NxPorts. This table contains one entry for each FxPort, and the operational status and parameters of the FxPorts.

- [fcFxpPortID \(1.3.6.1.2.1.75.1.2.1.1.1\)](#), page 4-29
- [fcFxpPortBbCreditAvailable \(1.3.6.1.2.1.75.1.2.1.1.2\)](#), page 4-30
- [fcFxpPortOperMode \(1.3.6.1.2.1.75.1.2.1.1.3\)](#), page 4-31
- [fcFxpPortAdminMode \(1.3.6.1.2.1.75.1.2.1.1.4\)](#), page 4-32

Send documentation comments to mdsfeedback-doc@cisco.com.

fcFxpPortID (1.3.6.1.2.1.75.1.2.1.1.1)

The address identifier by which this FxPort is identified within the fabric. The FxPort may assign its address identifier to its attached NxPort(s) during Fabric Login.

Syntax Description	FcAddressId
Access	Read-only
Status	Current
Return Value	The address of each port based on Domain, Area, and ALPA (for example, 64 03 00).

Send documentation comments to mdsfeedback-doc@cisco.com.

fcFxPortBbCreditAvailable (1.3.6.1.2.1.75.1.2.1.1.2)

The number of buffers currently available for receiving frames from the attached port in the buffer-to-buffer flow control. The value should be less than or equal to fcFxPortBbCredit.

Syntax Description	Gauge32
Access	Read-only
Status	Current
Return Value	Always returns (1) unknown

Send documentation comments to mdsfeedback-doc@cisco.com.

fcFxPortOperMode (1.3.6.1.2.1.75.1.2.1.1.3)

The current operational mode of the FxPort.

Syntax Description INTEGER { unknown(1), fPort(2), flPort(3) }

Access Read-only

Status Current

Return Value See [Table 4-3](#) for fcFxPortOperMode return values.

Table 4-3 Port Operational Modes

Mode	Return Value
Unknown	1
F_Port	2
FL_Port	3

Send documentation comments to mdsfeedback-doc@cisco.com.

fcFxPortAdminMode (1.3.6.1.2.1.75.1.2.1.1.4)

The desired operational mode of the FxPort.

Syntax Description	INTEGER { fPort(2), flPort(3) }
Access	Read-write
Status	Current
Return Value	Unsupported. Always returns error status “NoSuchName”.

Send documentation comments to mdsfeedback-doc@cisco.com.

FxPort Physical Level Table

The objects described in this section are in table format indexed by switch index and port index. An example of how to access one of these objects is “snmpget localhost public fcFxPortPhysAdminStatus.1.1”. This table contains one entry for each FxPort in the Fabric Element, the physical level status, and parameters of the FxPorts.

This table contains one entry for each FxPort in the Fabric Element, and the physical level status and parameters of the FxPorts.

- [fcFxPortPhysAdminStatus \(1.3.6.1.2.1.75.1.2.2.1.1\)](#), page 4-34
- [fcFxPortPhysOperStatus \(1.3.6.1.2.1.75.1.2.2.1.2\)](#), page 4-35
- [fcFxPortPhysLastChange \(1.3.6.1.2.1.75.1.2.2.1.3\)](#), page 4-36
- [fcFxPortPhysRttov \(1.3.6.1.2.1.75.1.2.2.1.4\)](#), page 4-37

[Send documentation comments to mdsfeedback-doc@cisco.com.](mailto:mdsfeedback-doc@cisco.com)

fcFxpPortPhysAdminStatus (1.3.6.1.2.1.75.1.2.2.1.1)

The desired state of the FxPort. A management station may place the FxPort in a desired state by setting this object accordingly. The testing(3) state indicates that no operational frames can be passed. When a Fabric Element initializes, all FxPorts start with fcFxpPortPhysAdminStatus in the offline(2) state. As the result of either explicit management action or per configuration information accessible by the Fabric Element, fcFxpPortPhysAdminStatus is then changed to either the online(1) or testing(3) states, or remains in the offline state.

INTEGER { online(1), offline(2), testing(3) }

Syntax Description

online(1)	Place port online
offline(2)	Take port offline
testing(3)	Initiate test procedures

Access

Read-write

Status

Current

Return Value

See [Table 4-4](#) for fcFxpPortPhysAdminStatus read values.

Table 4-4 fcFxpPortPhysAdminStatus Read Return Values

Port	Value
Online	online (1)
Offline	offline (2)
Diagnostics	testing (3)
Down	offline (2)

See [Table 4-5](#) for fcFxpPortPhysAdminStatus write values.

Table 4-5 fcFxpPortPhysAdminStatus Write Values

Port	Value
Online	online (1)
Offline	offline (2)
Diagnostics	testing (3)

Send documentation comments to mdsfeedback-doc@cisco.com.

fcFxpPortPhysOperStatus (1.3.6.1.2.1.75.1.2.2.1.2)

The current operational status of the FxPort. The testing(3) indicates that no operational frames can be passed. If fcFxpPortPhysAdminStatus is offline(2), then fcFxpPortPhysOperStatus should be offline(2). If fcFxpPortPhysAdminStatus is changed to online(1), then fcFxpPortPhysOperStatus should change to online(1). If the FxPort is ready to accept Fabric Login request from the attached NxPort, it should proceed and remain in the link- failure(4) state if, and only if, there is a fault that prevents it from going to the online(1) state.

INTEGER { online(1), offline(2), testing(3), linkFailure(4) }

Syntax Description	Value	Description
online(1)	1	Login may proceed
offline(2)	2	Login cannot proceed
testing(3)	3	Port is under test
linkFailure(4)	4	Failure after online/testing

Access Read-only

Status Current

Return Value See [Table 4-6](#) for fcFxpPortPhysOperStatus return values.

Table 4-6 fcFxpPortPhysOperStatus Return Values

Status	Return Value
Online	online (1)
Offline	offline (2)
Diagnostic	testing (3)
Down	linkfailure (4)

Send documentation comments to mdsfeedback-doc@cisco.com.

fcFxPortPhysLastChange (1.3.6.1.2.1.75.1.2.2.1.3)

The value of sysUpTime at the time the FxPort entered its current operational status. A value of zero indicates that the FxPort's operational status has not changed since the agent last restarted.

Syntax Description	TimeStamp
Access	Read-only
Status	Current
Return Value	Returns the time when the last port state change occurred.

Send documentation comments to mdsfeedback-doc@cisco.com.

fcFxpPortPhysRttov (1.3.6.1.2.1.75.1.2.2.1.4)

The Receiver_Transmitter_Timeout value of the FxPort. This is used by the receiver logic to detect a loss of synchronization.

Syntax Description Milliseconds

Access Read-write

Status Current

Return Value The default RT_TOV parameter is 100 (0x64). This is a global setting for the switch. If writing value to a port, all ports will reflect this new value.

Send documentation comments to mdsfeedback-doc@cisco.com.

Fx Port Fabric Login Table

The objects described in this section are in table format indexed by switch index and port index. An example of how to access one of these objects is “snmpget localhost public fcFxpPortFcphVersionAgreed.1.1”. This table contains one entry for each FxPort in the fabric element and the service parameters that have been established from the most recent Fabric Login (implicit or explicit).

This table contains one entry for each FxPort in the fabric element, and the service parameters that have been established from the most recent Fabric Login, implicit or explicit.

- [fcFxpPortFcphVersionAgreed \(1.3.6.1.2.1.75.1.2.3.1.2\)](#), page 4-39
- [fcFxpPortNxPortBbCredit \(1.3.6.1.2.1.75.1.2.3.1.3\)](#), page 4-40
- [fcFxpPortNxPortRxDataFieldSize \(1.3.6.1.2.1.75.1.2.3.1.4\)](#), page 4-41
- [fcFxpPortCosSuppAgreed \(1.3.6.1.2.1.75.1.2.3.1.5\)](#), page 4-42
- [fcFxpPortIntermixSuppAgreed \(1.3.6.1.2.1.75.1.2.3.1.6\)](#), page 4-43
- [fcFxpPortStackedConnModeAgreed \(1.3.6.1.2.1.75.1.2.3.1.7\)](#), page 4-44
- [fcFxpPortClass2SeqDelivAgreed \(1.3.6.1.2.1.75.1.2.3.1.8\)](#), page 4-45
- [fcFxpPortClass3SeqDelivAgreed \(1.3.6.1.2.1.75.1.2.3.1.9\)](#), page 4-46
- [fcFxpPortNxPortName \(1.3.6.1.2.1.75.1.2.3.1.10\)](#), page 4-47
- [fcFxpPortConnectedNxPort \(1.3.6.1.2.1.75.1.2.3.1.11\)](#), page 4-48
- [fcFxpPortBbCreditModel \(1.3.6.1.2.1.75.1.2.3.1.12\)](#), page 4-49

Send documentation comments to mdsfeedback-doc@cisco.com.

fcFxPortFcphVersionAgreed (1.3.6.1.2.1.75.1.2.3.1.2)

The version of FC-PH that the FxPort has agreed to support from the Fabric Login.

Syntax Description	FcphVersion
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Access	Read-only
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Status	Current
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Return Value	Unsupported.
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Send documentation comments to mdsfeedback-doc@cisco.com.

fcFxpPortNxPortBbCredit (1.3.6.1.2.1.75.1.2.3.1.3)

The total number of buffers available for holding class 1 connect-request, class 2, or class 3 frames to be transmitted to the attached NxPort. It is for buffer-to-buffer flow control in the direction from FxPort to NxPort. The buffer-to-buffer flow control mechanism is indicated in the respective fcFxpPortBbCreditModel.

Syntax Description	FcBbCredit
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Access	Read-only
---------------	-----------

Status	Current
---------------	---------

Return Value	Unsupported.
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Send documentation comments to mdsfeedback-doc@cisco.com.

fcFxpPortNxPortRxDataFieldSize (1.3.6.1.2.1.75.1.2.3.1.4)

The Receive Data Field Size of the attached NxPort. This object specifies the largest Data Field Size for an FT_1 frame that can be received by the NxPort.

Syntax Description FcRxDataFieldSize

Access Read-only

Status Current

Return Value Unsupported.

Send documentation comments to mdsfeedback-doc@cisco.com.

fcFxpPortCosSuppAgreed (1.3.6.1.2.1.75.1.2.3.1.5)

A variable indicating that the attached NxPort has requested the FxPort for the support of classes of services and the FxPort has granted the request.

Syntax Description FcCosCap

Access Read-only

Status Current

Return Value The bits have the following bit-mapped definition:

```

Bit 7 Class-six
Bit 6 Class-five
Bit 5 Class-four
Bit 4 Class-three
Bit 3 Class-two
Bit 2 Class-one
Bit 1 Class F

```

For example: If Class 3, return value 0x10.

Send documentation comments to mdsfeedback-doc@cisco.com.

fcFxPortIntermixSuppAgreed (1.3.6.1.2.1.75.1.2.3.1.6)

A variable indicating that the attached NxPort has requested the FxPort for the support of Intermix and the FxPort has granted the request. This flag is only valid if Class 1 service is supported.

Syntax Description	TruthValue
Access	Read-only
Status	Current
Return Value	Always returns false (2).

Send documentation comments to mdsfeedback-doc@cisco.com.

fcFxpPortStackedConnModeAgreed (1.3.6.1.2.1.75.1.2.3.1.7)

A variable indicating whether the FxpPort has agreed to support stacked connect from the Fabric Login. This is only meaningful if the ports are using Class 1 service.

Syntax Description	FcStackedConnMode
Access	Read-only
Status	Current
Return Value	Always returns none (1).

Send documentation comments to mdsfeedback-doc@cisco.com.

fcFxpPortClass2SeqDelivAgreed (1.3.6.1.2.1.75.1.2.3.1.8)

A variable indicating whether the FxPort has agreed to support Class 2 sequential delivery from the Fabric Login. This is only meaningful if the ports are using Class 2 service.

Syntax Description TruthValue

Access Read-only

Status Current

Return Value Always returns true (1).

Send documentation comments to mdsfeedback-doc@cisco.com.

fcFxpPortClass3SeqDelivAgreed (1.3.6.1.2.1.75.1.2.3.1.9)

A flag indicating whether the FxPort has agreed to support Class 3 sequential delivery from the Fabric Login. This is only meaningful if the ports are using Class 3 service.

Syntax Description	Truth Value
Access	Read-only
Status	Current
Return Value	Always returns true (1).

Send documentation comments to mdsfeedback-doc@cisco.com.

fcFxpPortNxPortName (1.3.6.1.2.1.75.1.2.3.1.10)

The port name of the attached NxPort.

Syntax Description FcNameId

Access Read-only

Status Current

Return Value Returns the switch port WWPN for the attached device.

Send documentation comments to mdsfeedback-doc@cisco.com.

fcFxpPortConnectedNxPort (1.3.6.1.2.1.75.1.2.3.1.11)

The address identifier of the destination NxPort with which this FxPort is currently engaged in a either a Class 1 or loop connection. If this FxPort is not engaged in a connection, then the value of this object is "000000"Hex.

Syntax Description FcAddressId

Access Read-only

Status Current

Return Value Unsupported.

Send documentation comments to mdsfeedback-doc@cisco.com.

fcFxPortBbCreditModel (1.3.6.1.2.1.75.1.2.3.1.12)

This object identifies the BB_Credit model used by the FxPort.

Syntax Description	FcBbCreditModel
Access	Read-write
Status	Current
Return Value	Returns alternate (2). Writes not supported.

Send documentation comments to mdsfeedback-doc@cisco.com.

Error Group

The objects described in this section are in table format indexed by switch index and port index. An example of how to access one of these objects is “snmpget localhost public fcFxPortLinkFailures.1.1”. This group consists of tables that contain information about the various types of errors detected. The management station may use the information in this group to determine the quality of the link between the FxPort and its attached NxPort.

The FxPort Error table contains, one entry for each FxPort in the Fabric Element, counters recording numbers of errors detected since the management agent reinitialized. The first 6 columnar objects after the port index corresponds to the counters in the Link Error Status Block.

- [fcFxPortLinkFailures \(1.3.6.1.2.1.75.1.3.1.1.1\)](#), page 4-51
- [fcFxPortSyncLosses \(1.3.6.1.2.1.75.1.3.1.1.2\)](#), page 4-52
- [fcFxPortSigLosses \(1.3.6.1.2.1.75.1.3.1.1.3\)](#), page 4-53
- [fcFxPortPrimSeqProtoErrors \(1.3.6.1.2.1.75.1.3.1.1.4\)](#), page 4-54
- [fcFxPortInvalidTxWords \(1.3.6.1.2.1.75.1.3.1.1.5\)](#), page 4-55
- [fcFxPortInvalidCrcs \(1.3.6.1.2.1.75.1.3.1.1.6\)](#), page 4-56
- [fcFxPortDelimiterErrors \(1.3.6.1.2.1.75.1.3.1.1.7\)](#), page 4-57
- [fcFxPortAddressIdErrors \(1.3.6.1.2.1.75.1.3.1.1.8\)](#), page 4-58
- [fcFxPortLinkResetIns \(1.3.6.1.2.1.75.1.3.1.1.9\)](#), page 4-59
- [fcFxPortLinkResetOuts \(1.3.6.1.2.1.75.1.3.1.1.10\)](#), page 4-60
- [fcFxPortOlsIns \(1.3.6.1.2.1.75.1.3.1.1.11\)](#), page 4-61
- [fcFxPortOlsOuts \(1.3.6.1.2.1.75.1.3.1.1.12\)](#), page 4-62

Send documentation comments to mdsfeedback-doc@cisco.com.

fcFxPortLinkFailures (1.3.6.1.2.1.75.1.3.1.1.1)

The number of link failures detected by this FxPort.

Syntax Description Counter32

Access Read-only

Status Current

Related Commands The total number of LinkFailures encountered for a port.

Send documentation comments to mdsfeedback-doc@cisco.com.

fcFxPortSyncLosses (1.3.6.1.2.1.75.1.3.1.1.2)

The number of loss of synchronizations detected by the FxPort.

Syntax Description Counter32

Access Read-only

Status Current

Return Value The total number of LossOfSyncs encountered for a port.

Send documentation comments to mdsfeedback-doc@cisco.com.

fcFxpPortSigLosses (1.3.6.1.2.1.75.1.3.1.1.3)

The number of loss of signals detected by the FxpPort.

Syntax Description Counter32

Access Read-only

Status Current

Return Value Unsupported. Always returns error status “NoSuchName”.

Send documentation comments to mdsfeedback-doc@cisco.com.

fcFxPortPrimSeqProtoErrors (1.3.6.1.2.1.75.1.3.1.1.4)

The number of primitive sequence protocol errors detected by the FxPort.

Syntax Description Counter32

Access Read-only

Status Current

Return Value The total number of PrimSeqErrors encountered for a port.

Send documentation comments to mdsfeedback-doc@cisco.com.

fcFxpPortInvalidTxWords (1.3.6.1.2.1.75.1.3.1.1.5)

The number of invalid transmission words detected by the FxPort.

Syntax Description Counter32

Access Read-only

Status Current

Return Value The total number of DecodeErrors encountered for a port.

Send documentation comments to mdsfeedback-doc@cisco.com.

fcFxPortInvalidCrcs (1.3.6.1.2.1.75.1.3.1.1.6)

The number of invalid CRCs detected by this FxPort.

Syntax Description Counter32

Access Read-only

Status Current

Return Value The total number of InvalidCRCs encountered for a port.

Send documentation comments to mdsfeedback-doc@cisco.com.

fcFxPortDelimiterErrors (1.3.6.1.2.1.75.1.3.1.1.7)

The number of Delimiter Errors detected by this FxPort.

Syntax Description	Counter32
Access	Read-only
Status	Current
Return Value	Unsupported. Always returns error status “NoSuchName”.

Send documentation comments to mdsfeedback-doc@cisco.com.

fcFxpPortAddressIdErrors (1.3.6.1.2.1.75.1.3.1.1.8)

The number of address identifier errors detected by this FxPort.

Syntax Description Counter32

Access Read-only

Status Current

Return Value The total number of InvDestAddrs encountered for a port.

Send documentation comments to mdsfeedback-doc@cisco.com.

fcFxPortLinkResetIns (1.3.6.1.2.1.75.1.3.1.1.9)

The number of Link Reset Protocols received by this FxPort from the attached NxPort.

Syntax Description Counter32

Access Read-only

Status Current

Return Value The total number of RxLinkResets received by a port.

Send documentation comments to mdsfeedback-doc@cisco.com.

fcFxpPortLinkResetOuts (1.3.6.1.2.1.75.1.3.1.1.10)

The number of Link Reset Protocols issued by this FxPort to the attached NxPort.

Syntax Description	Counter32
Access	Read-only
Status	Current
Return Value	The total number of TxLinkResets sent by a port.

Send documentation comments to mdsfeedback-doc@cisco.com.

fcFxPortOlsIns (1.3.6.1.2.1.75.1.3.1.1.11)

The number of Offline Sequences received by this FxPort.

Syntax Description Counter32

Access Read-only

Status Current

Return Value The total number of RxOfflineSeqs received by a port.

Send documentation comments to mdsfeedback-doc@cisco.com.

fcFxPortOlsOuts (1.3.6.1.2.1.75.1.3.1.1.12)

The number of Offline Sequences issued by this FxPort.

Syntax Description Counter32

Access Read-only

Status Current

Return Value The total number of TxOfflineSeqs sent by a port.

Send documentation comments to mdsfeedback-doc@cisco.com.

Accounting Groups

Each group consists of a table that contains accounting information for the FxPorts in the Fabric Element: Class 1 Accounting Group, Class 2 Accounting Group, and Class 3 Accounting Group.

Class 1 Accounting Table

The objects described in this section are in table format indexed by switch index and port index. An example of how to access one of these objects is “snmpget localhost public fcFxPortC1InFrames.1.1”. This table contains one entry for each FxPort in the Fabric Element and Counter32s for certain types of events that have occurred in the FxPorts since the management agent was reinitialized.

- [fcFxPortC1InFrames \(1.3.6.1.2.1.75.1.4.1.1.1\)](#), page 4-64
- [fcFxPortC1OutFrames \(1.3.6.1.2.1.75.1.4.1.1.2\)](#), page 4-65
- [fcFxPortC1InOctets \(1.3.6.1.2.1.75.1.4.1.1.3\)](#), page 4-66
- [fcFxPortC1OutOctets \(1.3.6.1.2.1.75.1.4.1.1.4\)](#), page 4-67
- [fcFxPortC1Discards \(1.3.6.1.2.1.75.1.4.1.1.5\)](#), page 4-68
- [fcFxPortC1FbsyFrames \(1.3.6.1.2.1.75.1.4.1.1.6\)](#), page 4-69
- [fcFxPortC1FrjtFrames \(1.3.6.1.2.1.75.1.4.1.1.7\)](#), page 4-70
- [fcFxPortC1InConnections \(1.3.6.1.2.1.75.1.4.1.1.8\)](#), page 4-71
- [fcFxPortC1OutConnections \(1.3.6.1.2.1.75.1.4.1.1.9\)](#), page 4-72
- [fcFxPortC1ConnTime \(1.3.6.1.2.1.75.1.4.1.1.10\)](#), page 4-73

Send documentation comments to mdsfeedback-doc@cisco.com.

fcFxpPortC1InFrames (1.3.6.1.2.1.75.1.4.1.1.1)

The number of Class 1 frames (other than Class 1 connect-request) received by this FxPort from its attached NxPort.

Syntax Description	Counter32
Access	Read-only
Status	Current
Return Value	Unsupported. Always returns error status "NoSuchName".

Send documentation comments to mdsfeedback-doc@cisco.com.

fcFxpPortC1OutFrames (1.3.6.1.2.1.75.1.4.1.1.2)

The number of Class 1 frames (other than Class 1 connect- request) delivered through this FxPort to its attached NxPort.

Syntax Description Counter32

Access Read-only

Status Current

Return Value Unsupported. Always returns error status “NoSuchName”.

Send documentation comments to mdsfeedback-doc@cisco.com.

fcFxpPortC1InOctets (1.3.6.1.2.1.75.1.4.1.1.3)

The number of Class 1 frame octets, including the frame delimiters, received by this FxPort from its attached NxPort.

Syntax Description	Counter32
Access	Read-only
Status	Current
Return Value	Unsupported. Always returns error status "NoSuchName".

Send documentation comments to mdsfeedback-doc@cisco.com.

fcFxpPortC1OutOctets (1.3.6.1.2.1.75.1.4.1.1.4)

The number of Class 1 frame octets, including the frame delimiters, delivered through this FxPort its attached NxPort.

Syntax Description Counter32

Access Read-only

Status Current

Return Value Unsupported. Always returns error status “NoSuchName”.

Send documentation comments to mdsfeedback-doc@cisco.com.

fcFxpPortC1Discards (1.3.6.1.2.1.75.1.4.1.1.5)

The number of Class 1 frames discarded by this FxPort.

Syntax Description Counter32

Access Read-only

Status Current

Return Value Unsupported. Always returns error status “NoSuchName”.

Send documentation comments to mdsfeedback-doc@cisco.com.

fcFxPortC1FbsyFrames (1.3.6.1.2.1.75.1.4.1.1.6)

The number of F_BSY frames generated by this FxPort against Class 1 connect-request.

Syntax Description	Counter32
---------------------------	-----------

Access	Read-only
---------------	-----------

Status	Current
---------------	---------

Return Value	Unsupported. Always returns error status “NoSuchName”.
---------------------	--

Send documentation comments to mdsfeedback-doc@cisco.com.

fcFxPortC1FrjtFrames (1.3.6.1.2.1.75.1.4.1.1.7)

The number of F_RJT frames generated by this FxPort against Class 1 connect-request.

Syntax Description	Counter32
Access	Read-only
Status	Current
Return Value	Unsupported. Always returns error status "NoSuchName".

Send documentation comments to mdsfeedback-doc@cisco.com.

fcFxpPortC1InConnections (1.3.6.1.2.1.75.1.4.1.1.8)

The number of Class 1 connections successfully established in which the attached NxPort is the source of the connect-request.

Syntax Description	Counter32
Access	Read-only
Status	Current
Return Value	Unsupported. Always returns error status “NoSuchName”.

Send documentation comments to mdsfeedback-doc@cisco.com.

fcFxPortC1OutConnections (1.3.6.1.2.1.75.1.4.1.1.9)

The number of Class 1 connections successfully established in which the attached NxPort is the destination of the connect-request.

Syntax Description	Counter32
Access	Read-only
Status	Current
Return Value	Unsupported. Always returns error status "NoSuchName".

Send documentation comments to mdsfeedback-doc@cisco.com.

fcFxPortC1ConnTime (1.3.6.1.2.1.75.1.4.1.1.10)

The cumulative time that this FxPort has been engaged in Class 1 connection. The amount of time is counted from after a connect-request has been accepted until the connection is disengaged, either by an EOFdt or Link Reset.

Syntax Description	Milliseconds
Access	Read-only
Status	current
Return Value	Unsupported. Always returns error status “NoSuchName”.

Send documentation comments to mdsfeedback-doc@cisco.com.

Class 2 Accounting Table

The objects described in this section are in table format indexed by switch index and port index. An example of how to access one of these objects is “snmpget localhost public fcFxpPortC2InFrames.1.1”. This table contains one entry for each FxPort in the Fabric Element and Counter32s for certain types of events that have occurred in the FxPorts since the management agent was reinitialized.

- [fcFxpPortC2InFrames \(1.3.6.1.2.1.75.1.4.2.1.1\)](#), page 4-75
- [fcFxpPortC2OutFrames \(1.3.6.1.2.1.75.1.4.2.1.2\)](#), page 4-76
- [fcFxpPortC2InOctets \(1.3.6.1.2.1.75.1.4.2.1.3\)](#), page 4-77
- [fcFxpPortC2OutOctets \(1.3.6.1.2.1.75.1.4.2.1.4\)](#), page 4-78
- [fcFxpPortC2Discards \(1.3.6.1.2.1.75.1.4.2.1.5\)](#), page 4-79
- [fcFxpPortC2FbsyFrames \(1.3.6.1.2.1.75.1.4.2.1.6\)](#), page 4-80
- [fcFxpPortC2FrjtFrames \(1.3.6.1.2.1.75.1.4.2.1.7\)](#), page 4-81

Send documentation comments to mdsfeedback-doc@cisco.com.

fcFxPortC2InFrames (1.3.6.1.2.1.75.1.4.2.1.1)

The number of Class 2 frames received by this FxPort from its attached NxPort.

Syntax Description Counter32

Access Read-only

Status Current

Return Value The total number of Class2FramesIn received by a port.

Send documentation comments to mdsfeedback-doc@cisco.com.

fcFxPortC2OutFrames (1.3.6.1.2.1.75.1.4.2.1.2)

The number of Class 2 frames delivered through this FxPort to its attached NxPort.

Syntax Description Counter32

Access Read-only

Status Current

Return Value The total number of Class2FramesOut sent by a port.

Send documentation comments to mdsfeedback-doc@cisco.com.

fcFxpPortC2InOctets (1.3.6.1.2.1.75.1.4.2.1.3)

The number of Class 2 frame octets, including the frame delimiters, received by this FxPort from its attached NxPort.

Syntax Description Counter32

Access Read-only

Status Current

Return Value The total number of Class2WordsIn received by a port.

Send documentation comments to mdsfeedback-doc@cisco.com.

fcFxpPortC2OutOctets (1.3.6.1.2.1.75.1.4.2.1.4)

The number of Class 2 frame octets, including the frame delimiters, delivered through this FxPort to its attached NxPort.

Syntax Description	Counter32
Access	Read-only
Status	current
Return Value	The total number of Class2WordsOut sent by a port.

Send documentation comments to mdsfeedback-doc@cisco.com.

fcFxpPortC2Discards (1.3.6.1.2.1.75.1.4.2.1.5)

The number of Class 2 frames discarded by this FxPort.

Syntax Description Counter32

Access Read-only

Status Current

Return Value The total number of Class2Toss discarded by a port.

Send documentation comments to mdsfeedback-doc@cisco.com.

fcFxPortC2FbsyFrames (1.3.6.1.2.1.75.1.4.2.1.6)

The number of F_BSY frames generated by this FxPort.

Syntax Description Counter32

Access Read-only

Status Current

Return Value The total number of FBusy frames generated by this port for Class 2 and 3 frames.

Send documentation comments to mdsfeedback-doc@cisco.com.

fcFxpPortC2FrjtFrames (1.3.6.1.2.1.75.1.4.2.1.7)

The number of F_RJT frames generated by this FxPort against Class 2 frames.

Syntax Description Counter32

Access Read-only

Status Current

Return Value The total number of FReject frames generated by this port for Class 2 and 3 frames.

Send documentation comments to mdsfeedback-doc@cisco.com.

Class 3 Accounting Table

The objects described in this section are in table format indexed by switch index and port index. An example of how to access one of these objects is “snmpget localhost public fcFxPortC3InFrames.1.1”. This table contains one entry for each FxPort in the Fabric Element and Counter32s for certain types of events that have occurred in the FxPorts since the management agent has reinitialized.

- [fcFxPortC3InFrames \(1.3.6.1.2.1.75.1.4.3.1.1\)](#), page 4-83
- [fcFxPortC3OutFrames \(1.3.6.1.2.1.75.1.4.3.1.2\)](#), page 4-84
- [fcFxPortC3InOctets \(1.3.6.1.2.1.75.1.4.3.1.3\)](#), page 4-85
- [fcFxPortC3OutOctets \(1.3.6.1.2.1.75.1.4.3.1.4\)](#), page 4-86
- [fcFxPortC3Discards \(1.3.6.1.2.1.75.1.4.3.1.5\)](#), page 4-87

Send documentation comments to mdsfeedback-doc@cisco.com.

fcFxPortC3InFrames (1.3.6.1.2.1.75.1.4.3.1.1)

The number of Class 3 frames received by this FxPort from its attached NxPort.

Syntax Description Counter32

Access Read-only

Status Current

Return Value The total number of Class3FramesIn received by a port.

Send documentation comments to mdsfeedback-doc@cisco.com.

fcFxPortC3OutFrames (1.3.6.1.2.1.75.1.4.3.1.2)

The number of Class 3 frames delivered through this FxPort to its attached NxPort.

Syntax Description Counter32

Access Read-only

Status Current

Return Value The total number of Class3FramesOut sent by a port.

Send documentation comments to mdsfeedback-doc@cisco.com.

fcFxpPortC3InOctets (1.3.6.1.2.1.75.1.4.3.1.3)

The number of Class 3 frame octets, including the frame delimiters, received by this FxPort from its attached NxPort.

Syntax Description Counter32

Access Read-only

Status Current

Return Value The total number of Class3WordsOut received by a port.

Send documentation comments to mdsfeedback-doc@cisco.com.

fcFxpPortC3OutOctets (1.3.6.1.2.1.75.1.4.3.1.4)

The number of Class 3 frame octets, including the frame delimiters, delivered through this FxPort to its attached NxPort.

Syntax Description	Counter32
Access	Read-only
Status	Current
Return Value	The total number of Class3WordsOut sent by a port.

Send documentation comments to mdsfeedback-doc@cisco.com.

fcFxpPortC3Discards (1.3.6.1.2.1.75.1.4.3.1.5)

The number of Class 3 frames discarded by this FxPort.

Syntax Description Counter32

Access Read-only

Status Current

Return Value The total number of Class3Toss discarded by a port.

Send documentation comments to mdsfeedback-doc@cisco.com.

Capability Group

The objects described in this section are in table format indexed by switch index and port index. An example of how to access one of these objects is “snmpget localhost public fcFxPortName.1.1”. The Capability Group consists of a table describing information about what each FxPort is inherently capable of operating or supporting. A capability may be used as expressed in its respective object value in the Configuration group.

- [fcFxPortCapFcphVersionHigh \(1.3.6.1.2.1.75.1.5.1.1.1\)](#), page 4-89
- [fcFxPortCapFcphVersionLow \(1.3.6.1.2.1.75.1.5.1.1.2\)](#), page 4-90
- [fcFxPortCapBbCreditMax \(1.3.6.1.2.1.75.1.5.1.1.3\)](#), page 4-91
- [fcFxPortCapBbCreditMin \(1.3.6.1.2.1.75.1.5.1.1.4\)](#), page 4-92
- [fcFxPortCapRxDataFieldSizeMax \(1.3.6.1.2.1.75.1.5.1.1.5\)](#), page 4-93
- [fcFxPortCapRxDataFieldSizeMin \(1.3.6.1.2.1.75.1.5.1.1.6\)](#), page 4-94
- [fcFxPortCapCos \(1.3.6.1.2.1.75.1.5.1.1.7\)](#), page 4-95
- [fcFxPortCapIntermix \(1.3.6.1.2.1.75.1.5.1.1.8\)](#), page 4-96
- [fcFxPortCapStackedConnMode \(1.3.6.1.2.1.75.1.5.1.1.9\)](#), page 4-97
- [fcFxPortCapClass2SeqDeliv \(1.3.6.1.2.1.75.1.5.1.1.10\)](#), page 4-98
- [fcFxPortCapClass3SeqDeliv \(1.3.6.1.2.1.75.1.5.1.1.11\)](#), page 4-99
- [fcFxPortCapHoldTimeMaxv \(1.3.6.1.2.1.75.1.5.1.1.12\)](#), page 4-100
- [fcFxPortCapHoldTimeMin \(1.3.6.1.2.1.75.1.5.1.1.13\)](#), page 4-101

Send documentation comments to mdsfeedback-doc@cisco.com.

fcFxPortCapFcphVersionHigh (1.3.6.1.2.1.75.1.5.1.1.1)

The highest or most recent version of FC-PH that the FxPort is capable of supporting.

Syntax Description FcphVersion

Access Read-only

Status Current

Return Value Always returns 32 (0x20).

Send documentation comments to mdsfeedback-doc@cisco.com.

fcFxPortCapFcphVersionLow (1.3.6.1.2.1.75.1.5.1.1.2)

The lowest or earliest version of FC-PH that the FxPort is capable of supporting.

Syntax Description	FcphVersion
Access	Read-only
Status	Current
Return Value	Always returns 9.

Send documentation comments to mdsfeedback-doc@cisco.com.

fcFxpPortCapBbCreditMax (1.3.6.1.2.1.75.1.5.1.1.3)

The maximum number of receive buffers available for holding Class 1 connect-request, Class 2, or Class 3 frames from the attached NxPort.

Syntax Description FcBbCredit

Access Read-only

Status Current

Return Value The default is 255 (0xFF).

■ fcFxpPortCapBbCreditMin (1.3.6.1.2.1.75.1.5.1.1.4)

Send documentation comments to mdsfeedback-doc@cisco.com.

fcFxpPortCapBbCreditMin (1.3.6.1.2.1.75.1.5.1.1.4)

The minimum number of receive buffers available for holding Class 1 connect-request, Class 2, or Class 3 frames from the attached NxPort.

Syntax Description FcBbCredit

Access Read-only

Status Current

Return Value The default is 0 (0x00).

Send documentation comments to mdsfeedback-doc@cisco.com.

fcFxpPortCapRxDataFieldSizeMax (1.3.6.1.2.1.75.1.5.1.1.5)

The maximum size in bytes of the Data Field in a frame that the FxPort is capable of receiving from its attached NxPort.

Syntax Description FcRxDataFieldSize

Access Read-only

Status Current

Return Value 2112 (0x840).

Send documentation comments to mdsfeedback-doc@cisco.com.

fcFxpPortCapRxDataFieldSizeMin (1.3.6.1.2.1.75.1.5.1.1.6)

The minimum size in bytes of the Data Field in a frame that the FxpPort is capable of receiving from its attached NxPort.

Syntax Description FcRxDataFieldSize

Access Read-only

Status Current

Return Value 128 (0x80).

Send documentation comments to mdsfeedback-doc@cisco.com.

fcFxpPortCapCos (1.3.6.1.2.1.75.1.5.1.1.7)

A value indicating the set of classes of service that the FxpPort is capable of supporting.

Syntax Description	FcCosCap
Access	Read-only
Status	Current
Return Value	Always returns Class F, 2, and 3 (0x0d).

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fcFxPortCapIntermix (1.3.6.1.2.1.75.1.5.1.1.8)

A flag indicating whether or not the FxPort is capable of supporting the intermixing of Class 2 and Class 3 frames during a Class 1 connection. This flag is only valid if the port is capable of supporting Class 1 service.

Syntax Description	Truth Value
Access	Read-only
Status	Current
Return Value	Always returns False (2).

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fcFxPortCapStackedConnMode (1.3.6.1.2.1.75.1.5.1.1.9)

A value indicating the mode of Stacked Connect request that the FxPort is capable of supporting.

Syntax Description	FcStackedConnMode
Access	Read-only
Status	Current
Return Value	Always returns None (1).

■ fcFxPortCapClass2SeqDeliv (1.3.6.1.2.1.75.1.5.1.1.10)

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fcFxPortCapClass2SeqDeliv (1.3.6.1.2.1.75.1.5.1.1.10)

A flag indicating whether or not the FxPort is capable of supporting Class 2 Sequential Delivery.

Syntax Description	Truth Value
Access	Read-only
Status	Current
Return Value	Always returns true (1).

Send documentation comments to mdsfeedback-doc@cisco.com.

fcFxPortCapClass3SeqDeliv (1.3.6.1.2.1.75.1.5.1.1.11)

A flag indicating whether or not the FxPort is capable of supporting Class 3 Sequential Delivery.

Syntax Description TruthValue

Access Read-only

Status Current

Return Value Always returns true (1).

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fcFxPortCapHoldTimeMaxv (1.3.6.1.2.1.75.1.5.1.1.12)

The maximum holding time that the FxPort is capable of supporting, in microseconds.

Syntax Description MicroSeconds

Access Read-only

Status Current

Return Value 20000 (0x4E20)

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fcFxPortCapHoldTimeMin (1.3.6.1.2.1.75.1.5.1.1.13)

The minimum holding time that the FxPort is capable of supporting, in microseconds.

Syntax Description MicroSeconds

Access Read-only

Status Current

Return Value 10 (0x0A)

■ fcFxPortCapHoldTimeMin (1.3.6.1.2.1.75.1.5.1.1.13)

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