



High-Frequency (Primary) Telemetry Fields

The following is a list of available counters which includes a variety of metrics related to timestamps, port and node information, error statistics, firmware versions, temperatures, cable details, power levels, and various other telemetry-related data.

Field Name	Description
timestamp	
source_id	
tag	
node_guid	node GUID
port_guid	Port GUID
port_num	Port Number
PortXmitDataExtended	Transmitted data rate per egress port in bytes passing through the port during the sample period
PortRcvDataExtended	The received data on the ingress port in bytes during the sample period
PortXmitPktsExtended	Total number of packets transmitted on the port.
PortRcvPktsExtended	Total number of packets received on the port
SymbolErrorCounterExtended	This counter provides information on error bits that were not corrected by phy correction mechanisms.
LinkErrorRecoveryCounterExtended	Total number of times the Port Training state machine has successfully completed the link error recovery process.
LinkDownedCounterExtended	Perf.PortCounters
PortRcvErrorsExtended	Total number of packets containing an error that were received on the port
PortRcvRemotePhysicalErrorsExtended	Total number of packets marked with the EBP delimiter received on the port.
PortRcvSwitchRelayErrorsExtended	Total number of packets received on the port that were discarded because they could not be forwarded by the switch relay.

Field Name	Description
PortXmitDiscardsExtended	Total number of outbound packets discarded by the port because the port is down or congested.
PortXmitConstraintErrorsExtended	Total number of packets not transmitted from the switch physical port.
PortRcvConstraintErrorsExtended	Total number of packets received on the switch physical port that are discarded.
LocalLinkIntegrityErrorsExtended	The number of times that the count of local physical errors exceeded the threshold specified by LocalPhyErrors
ExcessiveBufferOverflowErrorsExtended	The number of times that OverrunErrors consecutive flow control update periods occurred, each having at least one overrun error
VL15DroppedExtended	Number of incoming VL15 packets dropped due to resource limitations (e.g., lack of buffers) in the port
PortXmitWaitExtended	The time an egress port had data to send but could not send it due to lack of credits or arbitration - in time ticks within the sample-time window
hist[0-4]	Hist[i] give the number of FEC blocks that had RS-FEC symbols errors of value i or range of errors
infiniband_CBW	
Normalized_CBW	
NormalizedXW	
Normalized_XmitData	

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SymbolErrorCounterExtended	
LinkErrorRecoveryCounterExtended	
LinkDownedCounterExtended	
PortRcvErrorsExtended	
PortRcvRemotePhysicalErrorsExtended	
PortRcvSwitchRelayErrorsExtended	
PortXmitDiscardsExtended	
PortXmitConstraintErrorsExtended	
PortRcvConstraintErrorsExtended	
LocalLinkIntegrityErrorsExtended	

Field Name	Description
ExcessiveBufferOverrunErrorsExtended	
VL15DroppedExtended	
PortXmitWaitExtended	
hist[0-4]	Hist[i] give the number of FEC blocks that had RS-FEC symbols errors of value i or range of errors
infiniband_CBW	
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NormalizedXW	
Normalized_XmitData	

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