

ZebOS-XPTM 1.4 MCAST MIBs

For additional information, please contact marketing@ipinfusion.com.

Release Dates

- December 2014 1.2
- July 2015 1.3
- December 2015 1.4

Legend

No - Not Supported. SET/GET handler is not present for the object

LTD - SET/GET handler is present. However cannot SET anything other than default value. Lack of backend feature support

Yes - SET/GET handler is present. 2 or more values can be SET

NA - Not Applicable



			MAX-ACCESS/			
OBJECT NO	ENTRY NO	ENTRY NAME	TEMPLATE	Support for GET	Support for SET	Comments
MGMD Router interface table			TEIN ENTE	Support for GET	Support for SE1	- Comments
1.3.6.1.2.1.185.1.2.1.1	1	mgmdRouterInterfaceIfIndex	not-accessible	NA	NA	Holds the interface information.
1.3.6.1.2.1.185.1.2.1.2	2	mgmdRouterInterfaceQuerierType	not-accessible	YES	YES	Holds the Address type of the interface. Currently ZebOS supports only IPv4.
1.3.6.1.2.1.185.1.2.1.3	3	mgmdRouterInterfaceQuerier	read-only	YES	NA	Holds the IGMP guerier on the IP subnet on which the interface is attached.
1.3.6.1.2.1.185.1.2.1.4	4	mgmdRouterInterfaceQueryInterv	read-create	YES	YES	Time duration in which the host membership query is transmitted on this interface
1.3.6.1.2.1.185.1.2.1.5						Set operaton can be done for: 1 (ACTIVE): Changes the IGMP state to ACTIVE mode. 2 (NOT IN SERVICE): Changes the IGMP state to INACTIVE mode. 4 (CREATE AND GO): Configures IGMP on the Interface in the ACTIVE mode. 5 (CREATE AND WAIT): Configures IGMP on the Interface in the INACTIVE mode.
	5	mgmdRouterInterfaceStatus	read-create	YES	YES	6 (DESTROY): Unset all the IGMP configuration and the removes the IGMP from the interface. Set operation can't be done for NOT READY (3)(According to the RFC).
1.3.6.1.2.1.185.1.2.1.6	6	mgmdRouterInterfaceVersion	read-create	YES	YES	This object holds the version of IGMP i.e. v1, v2 or v3 running on the interface.
1.3.6.1.2.1.185.1.2.1.7	7	mgmdRouterInterfaceQueryMaxRo	read-create	YES	YES	Maximum response time.
1.3.6.1.2.1.185.1.2.1.8	8	mgmdRouterInterfaceQuerierUpTi	read-only	YES	NA NA	Time since the interface is acting as the querier
	-			1	1	Time remaining for the other querier present timer to expire. If the interface is acting as the
1.3.6.1.2.1.185.1.2.1.9	9	mgmdRouterInterfaceQuerierExpi	read-only	YES	NA	querier, value is shown as 0.
	,	Tilginarouterinteriace Querier Expir	read only	123	196	Number of general queries received whose IGMP or MLD version doesn't matches with the
1.3.6.1.2.1.185.1.2.1.10	10	mgmdRouterInterfaceWrongVersi	read-only	YES	NA	equivalent version of IGMP or MLD version configured on the interface
1.3.6.1.2.1.185.1.2.1.11	11	mgmdRouterInterfaceJoins	read-only	YES	NA	The number of times the entry for this interface has been added to the cache table.
1.3.6.1.2.1.185.1.2.1.12	12	mgmdRouterInterfaceProxylfIndex	read-create	YES	YES	Holds the interface's proxy interface.
1.3.6.1.2.1.185.1.2.1.13	13	mgmdRouterInterfaceGroups	read-only	YES	NA .	Number of entries the interface currently has in the cache table
		8				Default value is 2 but can be increased if the subnet is expected to be lossy. Value can be between
1.3.6.1.2.1.185.1.2.1.14	14	mgmdRouterInterfaceRobustness	read-create	YES	YES	2 to 7. If out of bounds the variable is set back to its default value(2)
		8				This object holds the maximum response time for the last member of the group sent in response
1.3.6.1.2.1.185.1.2.1.15						to a
	15	mgmdRouterInterfaceLastMembe	read-create	YES	YES	Leave message. Default value is 10 seconds
	13	mg.manoatermeenacezastwemse	redu create	120	120	Ecore message. Detaile value is 20 seconds
1.3.6.1.2.1.185.1.2.1.16						This object holds the number of times group-specific and group-and-source-specific queries will be
	16	mgmdRouterInterfaceLastMembe	read-only	YES	NA	sent before the router assumes there are no local members. Value is set to 7 in ZebOS.
1.3.6.1.2.1.185.1.2.1.17	17	mgmdRouterInterfaceStartupQue		YES	NA	Represents the number of queries sent out on start up
	17	Ingilianoaterinteriacestartapque	read only	1123	TVC	This object holds the time interval between the general queries sent by querier on startup. In
1.3.6.1.2.1.185.1.2.1.18	18	mgmdRouterInterfaceStartupQue	read-only	YES	NA	ZebOS it is set to 31
MGMD Router Cache table -	OID 1.3.6.1.2.1.185.1.		read only	125	10.5	2000 (1) 300 (0 32
1.3.6.1.2.1.185.1.4.1.1	1	mgmdRouterCacheAddressType	not-accessible	NA	NA	The address type of the mgmdRouterCacheTable entry. ZebOS supports only IPv4.
1.3.6.1.2.1.185.1.4.1.2	2	mgmdRouterCacheAddress	not-accessible	NA	NA NA	The IP multicast group address for which this entry contains information.
1.3.6.1.2.1.185.1.4.1.3	3	mgmdRouterCachelfIndex	not-accessible	YES	NA	The interface for which this entry contains information for an IP multicast group address.
1.3.6.1.2.1.185.1.4.1.4		mgmdRouterCacheLastReporter	read-only	YES	NA	Holds the address of the source of the last membership report received for a particular multicast group address on the interface. No report received then this object is set to 0. Address type is lidentified by the mgmdRouterCacheAddressType object.
1.3.6.1.2.1.185.1.4.1.4	4	mgmakouterCacheLastReporter	read-only	163	INA	
1.3.6.1.2.1.185.1.4.1.5	5	mgmdRouterCacheUpTime	read-only	YES	NA	This object holds the time elapsed since a group was created. It returns the time elapsed per group.
1.5.0.1.2.1.105.1.7.1.5		gd.coderedencoprinte	read only	1	1.00	This object holds the time remaining before group membership interval state expires. This one
1.3.6.1.2.1.185.1.4.1.6	6	mgmdRouterCacheExpiryTime	read-only	YES	NA	also has the same problem as mgmdRouterCacheUpTime.
		, , , , , , , , , , , , , , , , , , , ,			1	Applicable only to MGMDv3. This object holds the time remaining before exclude state of
1.3.6.1.2.1.185.1.4.1.7	7	mgmdRouterCacheExcludeModeE	read-only	YES	NA	Interface expires and the Interface enters into INCLUDE mode.
.5.5.5.5.5.5.5.5.111117	1	G DESIREZACIONELE			1	This object holds the time remaining before the router Interface will think that a version 1 Host is
						present on the interface. This object is applicable only for the version 1 Host and if there is no
						version 1 host then hearing any IGMP version 1 membership report this value is refreshed to the
1.3.6.1.2.1.185.1.4.1.8	8	mgmdRouterCacheVersion1HostTi	read-only	YES	NA	group membership timer.
			1		1	This object holds the time remaining before the router Interface will think that a version 2 Host is
						present on the interface. This object is applicable only for the version 2 Host and if there is no
						version 2 host then hearing any IGMP version 2 membership report this value is refreshed to the
1.3.6.1.2.1.185.1.4.1.9	9	mgmdRouterCacheVersion2HostTi	read-only	YES	NA	group membership timer.
	-			1	1	This object holds the current cache state of MGMDv3 node, whether it is INCLUDE(1) or
1.3.6.1.2.1.185.1.4.1.10	10	mgmdRouterCacheSourceFilterMo	read-only	YES	NA	EXCLUDE(2). Seems to have issue. ZebOS maintains cache state for IGMPv1 and IGMPv2.
1.3.0.1.2.1.103.1.4.1.10	1-0		gread only	1.20	1.0.	Tendeduction to have issue. Lebos maintains cache state for foliair vi and foliairve.



			MAX-ACCESS/			
OBJECT NO	ENTRY NO	ENTRY NAME	TEMPLATE	Support for GET	Support for SET	Comments
MGMD Inverse Router Cache t	table - OID 1.3.6.1.2.1	.185.1.6				
1.3.6.1.2.1.185.1.6.1.1	1	mgmdInverseRouterCachelfIndex	not-accessible	NA	NA	This object holds the interface for which this entry contains information for this multicast group
1.3.6.1.2.1.185.1.6.1.2	2	mgmdInverseRouterCacheAddress	not-accessible	NA	NA	Holds the Inet Address type(Ipv4 or Ipv6) in the inverse router cache table.
1.3.6.1.2.1.185.1.6.1.3	3	mgmdInverseRouterCacheAddress	read-only	YES	NA	Address of the multicast group in the inverse cache router table is stored in this varible.
MGMD Router Source List tabl	le - OID 1.3.6.1.2.1.18	5.1.8				
1.3.6.1.2.1.185.1.8.1.1	1	mgmdRouterSrcListAddressType	not-accessible	NA	NA	The address type of the variables in this table.
1.3.6.1.2.1.185.1.8.1.2	2	mgmdRouterSrcListAddress	not-accessible	NA	NA	The IP Multicast group address for which this entry contains information
1.3.6.1.2.1.185.1.8.1.3	3	mgmdRouterSrcListIfIndex	not-accessible	NA	NA	The interface for which this entry contains information for an IP multicast group address.
1.3.6.1.2.1.185.1.8.1.4	4	mgmdRouterSrcListHostAddress	not-accessible	NA	NA	The host address to which this entry corresponds.
						This value indicates the relevance of SrcList entry. A non-zero value indicates this is an INCLUDE
1.3.6.1.2.1.185.1.8.1.5	5	mgmdRouterSrcListExpire	read-only	YES	NA	state value, and a Zero value indicates this to be an EXCLUDE state value.

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OBJECT NO 1.3.6.1.2.1.157.1.1	ENTRY NO	ENTRY NAME	TEMPLATE	Support for GET	Support for SET	Comments
1.3.6.1.2.1.157.1.1		pimInterfaceEntry	Not-accessible	NA	NA	An entry (conceptual row) in the pimInterfaceTable.
1.3.6.1.2.1.157.1.1.1		1 pimInterfaceIfIndex	Not-accessible	NA NA	NA NA	The ifIndex value of this PIM interface.
1.3.6.1.2.1.157.1.1.1.2		2 PimInterfaceIPVersion	Not-accessible	NA	NA	The IP version of this PIM interface.
1.3.6.1.2.1.157.1.1.1.3		pimInterfaceAddressType	Read-only	YES	NA	The address type of this PIM interface.
1.3.6.1.2.1.157.1.1.1.4		pimInterfaceAddress	Read-only	YES	NA	The primary ip address of the PIM interface.
			,			The value of the Generation ID this router inserted in the last PIM Hello message it sent on this
1.3.6.1.2.1.157.1.1.1.5		■imInterfaceGenerationIDValue	Read-only	YES	NA	interface.
1.3.6.1.2.1.157.1.1.1.6		pimInterfaceDR	Read-only	YES	NA	The primary IP address of the Designated Router on this PIM interface.
						The Designated Router Priority value inserted into the DR Priority option in PIM Hello messages
						transmitted on this
.1.3.6.1.2.1.157.1.1.1.7		7 pimInterfaceDRPriority	read-create	YES	YES	Interface.
1.3.6.1.2.1.157.1.1.1.8	1	B pimInterfaceDRPriorityEnabled	Read-only	YES	NA	Evaluates to TRUE if all routers on this interface are using the DR Priority option.
						The frequency at which PIM Hello messages are transmitted on this interface. This object corresponds to the
1.3.6.1.2.1.157.1.1.1.9		pimInterfaceHelloInterval	read-create	YES	YES	\Hello_Period\ timer value defined in the PIM-SM Specification.
1.3.0.1.2.1.137.1.1.1.3	:	pininterracenenonitervar	read-create	1E3	1E3	(nello_rellod) timer value defined in the riw-swi specification.
1.3.6.1.2.1.157.1.1.1.10	10	pimInterfaceTrigHelloInterval	read-create	YES	YES	The maximum time before this router sends a triggered PIM Hello message on this interface.
1.3.6.1.2.1.157.1.1.1.11		1 pimInterfaceHelloHoldtime	read-create	YES	YES	The value set in the Holdtime field of PIM Hello messages transmitted on this interface.
1.3.6.1.2.1.157.1.1.1.12		2 pimInterfaceJoinPruneInterval	read-create	YES	YES	The frequency at which this router sends PIM Join/Prune messages on this PIM interface.
					1	
1.3.6.1.2.1.157.1.1.1.13	1	pimInterfaceJoinPruneHoldtime	read-create	YES	YES	The value inserted into the Holdtime field of a PIM Join/Prune message sent on this interface.
						The minimum number of PIM DF-Election messages that must be lost in order for DF election on
1.3.6.1.2.1.157.1.1.1.14		pimInterfaceDFElectionRobustness		NO	NO	this interface to fail.ZebOS currently doesn't have support for this.
1.3.6.1.2.1.157.1.1.1.15	1	pimInterfaceLanDelayEnabled	Read-only	YES	NA	Evaluates to TRUE if all routers on this interface are using the LAN Prune Delay option.
1.3.6.1.2.1.157.1.1.1.16	1	pimInterfacePropagationDelay	read-create	YES	YES	The expected propagation delay between PIM routers on this Network or link.
						The value this router inserts into the Override_Interval field of the LAN Prune Delay option in the
						PIM Hello
1.3.6.1.2.1.157.1.1.1.17	1	7 pimInterfaceOverrideInterval	read-create	YES	YES	messages it sends on this interface.
4 0 0 4 0 4 457 4 4 4 40			D	wee		The Effective Propagation Delay on this interface. This object is always 500 if
1.3.6.1.2.1.157.1.1.1.18	13	pimInterfaceEffectPropagDelay	Read-only	YES	NA	pimInterfaceLanDelayEnabled isFALSE.
1.3.6.1.2.1.157.1.1.1.19	11	pimInterfaceEffectOverrideIvI	Read-only	YES	NA	The Effective Override Interval on this interface. This object is always 2500 if pimInterfaceLanDelayEnabled is FALSE.
1.0.0.1.2.1.107.1.1.1.10	1	pininteriacechiectovernueivi	nead-only	123	INO.	Whether join suppression is enabled on this interface. This object is always TRUE if
1.3.6.1.2.1.157.1.1.1.20	21	pimInterfaceSuppressionEnabled	Read-only	YES	NA	pimInterfaceLanDelayEnabled is FALSE.
1.0.0.11.2.11.101.11.11.20		printerracesappressionenasiea	nedd omy	1.23	10.1	printer receamber y chapter to 17 test.
1.3.6.1.2.1.157.1.1.1.21	2	1 pimInterfaceBidirCapable	Read-only	YES	NA	Evaluates to TRUE if all routers on this interface are using the Bidirectional-PIM Capable option.
						Whether or not this interface is a PIM domain border. This includes acting as a border for PIM
						Bootstrap Router (BSR)
1.3.6.1.2.1.157.1.1.1.22	2	pimInterfaceDomainBorder	read-create	YES	YES	messages, if the BSR mechanism is in use.
1.3.6.1.2.1.157.1.1.1.23	2	pimInterfaceStubInterface	read-create	YES	YES	"Whether this interface is a \stub interface\.
						The minimum interval that must transpire between two successive Prunes sent by a router. This
						object corresponds
1.3.6.1.2.1.157.1.1.1.24	2-	1 pimInterfacePruneLimitInterval	read-create	YES	YES	to the \t_limit\ timer value defined in the PIM-DM Specification.
						The minimum interval that must transpire between twosuccessive Grafts sent by a router. This
1 2 6 1 2 1 1 5 7 1 1 1 2 5	21	Bisslate of an ConftData data and		VEC	YES	object corresponds
1.3.6.1.2.1.157.1.1.1.25	Z	BimInterfaceGraftRetryInterval	read-create	YES	TES	to the \Graft_Retry_Period\ timer value defined in the PIM-DM specification. Evaluates to TRUE if all routers on this interface are using the State Refresh option. This object is
1.3.6.1.2.1.157.1.1.1.26	2	pimInterfaceSRPriorityEnabled	Read-only	YES	NA	used only by PIM-DM.
1.5.6.1.2.1.157.1.1.1.20		pininterfaceSiti HorityEnabled	nead-only	123	INO.	The status of this entry. This status object can be set toactive(1) without setting any other columnar
1.3.6.1.2.1.157.1.1.1.27	2.	pimInterfaceStatus	read-create	YES	YES	objects in this entry.
	_					The storage type for this row. Rows having the value\permanent\ need not allow write-access to
1.3.6.1.2.1.157.1.1.1.28	2	pimInterfaceStorageType	read-create	YES	NO	any columnarobjects in the row. Snmpset is not supported.
PIM NEIGHBOR TABLE OID 1.3.6						
1.3.6.1.2.1.157.1.2.1		1 pimNeighborEntry	Not-accessible	NA	NA	An entry (conceptual row) in the pimNeighborTable.
1.3.6.1.2.1.157.1.2.1.1		l BimNeighborlfIndex	Not-accessible	NA	NA	The value of ifIndex for the interface used to reach this PIM neighbor
1.3.6.1.2.1.157.1.2.1.2		pimNeighborAddressType	Not-accessible	NA	NA	The address type of this PIM neighbor
						The primary IP address of this PIM neighbor. The InetAddressType is given by the
1.3.6.1.2.1.157.1.2.1.3		pimNeighborAddress	Not-accessible	NA	NA	pimNeighborAddressType object.
1.3.6.1.2.1.157.1.2.1.4		pimNeighborGenerationIDPresent	Read-only	YES	NA	Evaluates to TRUE if this neighbor is using the Generation ID option.
1.3.6.1.2.1.157.1.2.1.5		pimNeighborGenerationIDValue	Read-only	YES	NA	The value of the Generation ID from the last PIM Hellomessage received from this neighbor.
1.3.6.1.2.1.157.1.2.1.6	1	pimNeighborUpTime	Read-only	YES	NA	The time since this PIM neighbor (last) became a neighbor of the local router.
						The minimum time remaining before this PIM neighbor willtime out. The value zero indicates that
1 2 6 1 2 1 1 5 7 1 2 1 7		7 -i-Naishbas Frain Time	Danid and	VES	212	this PIM neighbor
1.3.6.1.2.1.157.1.2.1.7		7 pimNeighborExpiryTime	Read-only	YES YES	NA NA	will never time out.
1.3.6.1.2.1.157.1.2.1.8		B pimNeighborDRPriorityPresent	Read-only	IES	NA	Evaluates to TRUE if this neighbor is using the DR Priorityoption. The value of the Designated Router Priority from the lastPIM Hello message received from this
						neighbor. This object
1.3.6.1.2.1.157.1.2.1.9		pimNeighborDRPriority	Read-only	YES	NA	is always zero if pimNeighborDRPriorityPresent is FALSE
1.3.6.1.2.1.157.1.2.1.10	11	pimNeighborLanPruneDelayPresen		YES	NA NA	Evaluates to TRUE if this neighbor is using the LAN PruneDelay option.
	1		omy			Whether the T bit was set in the LAN Prune Delay option received from this neighbor. This
1.3.6.1.2.1.157.1.2.1.11	1	1 pimNeighborTBit	Read-only	YES	NA	object is always TRUE if pimNeighborLanPruneDelayPresent is FALSE."
	1	preignoor rost	omy			The value of the Propagation_Delay field of the LAN Prune Delay option received from this
1.3.6.1.2.1.157.1.2.1.12	1	pimNeighborPropagationDelay	Read-only	YES	NA	neighbor.
	1				1	- Congression
1.3.6.1.2.1.157.1.2.1.13	1	pimNeighborOverrideInterval	Read-only	YES	NA	The value of the Override_Interval field of the LAN Prune Delay option received from this neighbor
1.3.6.1.2.1.157.1.2.1.14		pimNeighborBidirCapable	Read-only	YES	NA	Evaluates to TRUE if this neighbor is using the Bidirectional-PIM Capable option.
	1		· ·			Evaluates to TRUE if this neighbor is using the State Refresh Capable option. This object is used only

	L		MAX-ACCESS/			
OBJECT NO	ENTRY NO	ENTRY NAME	TEMPLATE	Support for GET	Support for SET	Comments
1.3.6.1.2.1.157.1.3		pimNbrSecAddressTable				The (conceptual) table listing the secondary addresses
1.3.6.1.2.1.157.1.3.1		1 pimNbrSecAddressEntry	Not-accessible	NA	NA	advertised by each PIM neighbor
1.0.0.11.2.11.107.11.0.1		1 printer see tool essenting	Hot decession	100	19.1	The value of ifIndex for the interface used to reach this
1.3.6.1.2.1.157.1.3.1.1		1 pimNbrSecAddressIfIndex	Not-accessible	NA	NA	PIM neighbor.
1.3.6.1.2.1.157.1.3.1.2		2 pimNbrSecAddressType	Not-accessible	NA	NA	The address type of this PIM neighbor.
						The primary IP address of this PIM neighbor. The
1.3.6.1.2.1.157.1.3.1.3		3 PimNbrSecAddressPrimary	Not-accessible	NA	NA	InetAddressType is given by the pimNbrSecAddressType object.
						The secondary IP address of this PIM neighbor. The
1.3.6.1.2.1.157.1.3.1.4		4 pimNbrSecAddress	Read-only	YES	NA	InetAddressType is given by the pimNbrSecAddressType object.
1.3.6.1.2.1.157.1.4	1	pimStarGTable				
1.3.6.1.2.1.157.1.4.1		1 pimStarGEntry	Not-accessible	NA	NA	An entry (conceptual row) in the pimStarGTable.
1.3.6.1.2.1.157.1.4.1.1		1 pimStarGAddressType	Not-accessible	NA	NA	The address type of this multicast group
1.3.6.1.2.1.157.1.4.1.2		2 pimStarGGrpAddress	Not-accessible	NA YES	NA NA	The multicast group address. The InetAddressType is given by the pimStarGAddressType object.
1.3.6.1.2.1.157.1.4.1.3		3 pimStarGUpTime	Read-only	YES	NA	The time since this entry was created by the local router. Whether this entry represents an ASM (Apr. Source Multisast, used with DIM SM) or BIDIR DIM.
1.3.6.1.2.1.157.1.4.1.4		4 pimStarGPimMode	Read-only	YES	NA	Whether this entry represents an ASM (Any Source Multicast, used with PIM-SM) or BIDIR-PIM group.
1.3.0.1.2.1.137.1.4.1.4		4 pinistardrinivioue	Read-Offiy	163	INA	group.
1.3.6.1.2.1.157.1.4.1.5		5 PimStarGRPAddressType	Read-only	YES	NA	The address type of the Rendezvous Point (RP), or unknown(0) if the RP address is unknown.
1.0.0.1.2.1.107.1.4.1.0		5 Timstardit AddressType	Nead-Only	11.5	130	The address of the Rendezvous Point (RP) for the group. The InetAddressType is given by the
1.3.6.1.2.1.157.1.4.1.6		6 pimStarGRPAddress	Read-only	YES	NA	pimStarGRPAddressType.
1.3.6.1.2.1.157.1.4.1.7		7 pimStarGPimModeOrigin	Read-only	YES	NA NA	The mechanism by which the PIM mode and RP for the group were learned.
1.3.6.1.2.1.157.1.4.1.8		8 pimStarGRPIsLocal	Read-only	YES	NA NA	Whether the local router is the RP for the group.
		- January Grands		1.00		Whether the local router should join the RP tree for the group. This corresponds to the state of the
						upstream (*,G)
1.3.6.1.2.1.157.1.4.1.9		9 pimStarGUpstreamJoinState	Read-only	YES	NA	state machine in the PIM-SM specification
						The time remaining before the local router next sends a periodic (*,G) Join message on
						pimStarGRPFIfIndex. This
1.3.6.1.2.1.157.1.4.1.10		10 pimStarGUpstreamJoinTimer	Read-only	YES	NA	timer is called the (*,G) Upstream Join Timer in the PIM-SM specification.
			•			The primary address type of the upstream neighbor, orunknown(0) if the upstream neighbor
						address is unknown or is
1.3.6.1.2.1.157.1.4.1.11		11 pimStarGUpstreamNeighborType	Read-only	YES	NA	not a PIM neighbor.
			,			The primary address of the neighbor on pimStarGRPFIfIndex that the local router is sending
						periodic (*,G) Join
1.3.6.1.2.1.157.1.4.1.12		12 pimStarGUpstreamNeighbor	Read-only	YES	NA	messages to.
			,			The value of ifIndex for the Reverse Path Forwarding(RPF) interface towards the RP, or zero if the
						RPF
1.3.6.1.2.1.157.1.4.1.13		13 pimStarGRPFIfIndex	Read-only	YES	NA	interface is unknown.
						The address type of the RPF next hop towards the RP, orunknown(0) if the RPF next hop is
1.3.6.1.2.1.157.1.4.1.14		14 pimStarGRPFNextHopType	Read-only	YES	NA	unknown.
						The address of the RPF next hop towards the RP. TheInetAddressType is given by the
						pimStarGRPFNextHopType
1.3.6.1.2.1.157.1.4.1.15		15 pimStarGRPFNextHop	Read-only	YES	NA	object.
						The routing mechanism via which the route used to find theRPF interface towards the RP was
1.3.6.1.2.1.157.1.4.1.16		16 pimStarGRPFRouteProtocol	Read-only	YES	NA	learned.
						The IP address that, when combined with the corresponding value of
						pimStarGRPFRoutePrefixLength, identifies the route
1.3.6.1.2.1.157.1.4.1.17		17 PimStarGRPFRouteAddress	Read-only	YES	NA	used to find the RPF interface towards the RP.
						The prefix length that, when combined with the corresponding value of pimStarGRPFRouteAddress
						identifies
1.3.6.1.2.1.157.1.4.1.18		18 pimStarGRPFRoutePrefixLength	Read-only	YES	NA 	the route used to find the RPF interface towards the RP.
1.3.6.1.2.1.157.1.4.1.19		19 pimStarGRPFRouteMetricPref	Read-only	YES	NA	The metric preference of the route used to find the RPF interface towards the RP.
1.3.6.1.2.1.157.1.4.1.20		20 pimStarGRPFRouteMetric	Read-only	YES	NA	The routing metric of the route used to find the RPF interface towards the RP.
1.3.6.1.2.1.157.1.5		oimStarGITable	Not assessible	NA.	NA	"An onto (concentual row) in the nimStarCITable "
1.3.6.1.2.1.157.1.5.1		1 pimStarGIEntry	Not-accessible	NA NA	NA NA	"An entry (conceptual row) in the pimStarGITable."
1.3.6.1.2.1.157.1.5.1.1 1.3.6.1.2.1.157.1.5.1.2		1 pimStarGIIfIndex 2 pimStarGIUpTime	Not-accessible Read-only	NA YES	NA NA	The ifIndex of the interface that this entry corresponds to. The time since this entry was created by the local router.
1.0.0.1.2.1.131.1.3.1.2		2 pinistardroprime	nead-Offiy	IL.J	13/2	
1.3.6.1.2.1.157.1.5.1.3		3 pimStarGILocalMembership	Read-only	YES	NA	Whether the local router has (*,G) local membership on this Interface (resulting from a mechanism such as IGMP or MLD).
1.3.6.1.2.1.157.1.5.1.4				YES	NA NA	The state resulting from (*,G) Join/Prune messages received on this interface.
1.0.0.1.2.1.101.1.0.1.4		4 pimStarGIJoinPruneState	Read-only	165	110	The state resulting from (,0) join/Frune messages received on this interrace.
						The time remaining before the local router acts on a (*,G) Prune message received on this
						interface, during which the
1.3.6.1.2.1.157.1.5.1.5		5 pimStarGIPrunePendingTimer	Read-only	YES	NA	router is waiting to see whether another downstream router will override the Prune message.
				1		The time remaining before (*,G) Join state for this interface expires. This timer is called the (*,G)
1.3.6.1.2.1.157.1.5.1.6		6 pimStarGIJoinExpiryTimer	Read-only	YES	NA	Join Expiry Timer in the PIM-SM specification.
				-		The (*,G) Assert state for this interface. This corresponds to the state of the per-interface (*,G)
1.3.6.1.2.1.157.1.5.1.7		7 pimStarGIAssertState	Read-only	YES	NA	Assert state machine in the PIM-SM specification.
						If pimStarGlAssertState is \iAmAssertWinner this is the time remaining before the local router
						next sends a (*,G)
						Assert message on this interface. If pimStarGIAssertState is \iAmAssertLoser this is the time
						remaining before the
1.3.6.1.2.1.157.1.5.1.8		8 pimStarGIAssertTimer	Read-only	YES	NA	(*,G) Assert state expires. If pimStarGlAssertState is \noInfo this is zero.
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,						If pimStarGlAssertState is \iAmAssertLoser this is the address type of the assert winner;
						otherwise, this object is
1.3.6.1.2.1.157.1.5.1.9		9 pimStarGIAssertWinnerAddressTy	Read-only	YES	NA	unknown(0).
1.3.6.1.2.1.157.1.5.1.10		10 pimStarGIAssertWinnerAddress	Read-only	YES	NA	If pimStarGIAssertState is \iAmAssertLoser this is the address of the assert winner.
		and the second second	· '			If pimStarGlAssertState is \iAmAssertLoser this is the metric preference of the route to the RP
1.3.6.1.2.1.157.1.5.1.11		11 pimStarGIAssertWinnerMetricPref	Read-only	YES	NA	advertised by the assert winner

ORIECT NO	ENTRY NO	ENTRY NAME	MAX-ACCESS/	Support for GET	Support for SET	Comments
OBJECT NO	ENTRY NO	ENTRY NAME	TEMPLATE	Support for GET	Support for SET	Comments If pimStarGlAssertState is \iAmAssertLoser this is the routing metric of the route to the RP
						advertised by the
1.3.6.1.2.1.157.1.5.1.12		12 pimStarGIAssertWinnerMetric	Read-only	YES	NA	assert winner; otherwise, this object is zero.
1.3.6.1.2.1.157.1.6	pi	mSGTable				
1.3.6.1.2.1.157.1.6.1		1 pimSGEntry	Not-accessible	NA NA	NA NA	An entry (conceptual row) in the pimSGTable.
1.3.6.1.2.1.157.1.6.1.1		1 pimSGAddressType	Not-accessible	NA	NA	The address type of the source and multicast group for thisEntry. The multicast group address for this entry. The InetAddressType is given by the pimSGAddressType
1.3.6.1.2.1.157.1.6.1.2		2 pimSGGrpAddress	Not-accessible	NA	NA	object.
1.3.6.1.2.1.157.1.6.1.3		3 pimSGSrcAddress	Not-accessible	NA	NA	The source address for this entry. The InetAddressType is given by the pimSGAddressType object.
1.3.6.1.2.1.157.1.6.1.4		4 pimSGUpTime	Read-only	YES	NA	The time since this entry was created by the local router. Whether pimSGGrpAddress is an SSM (Source SpecificMulticast, used with PIM-SM) or ASM (Any
						Source Multicast,
1.3.6.1.2.1.157.1.6.1.5		5 pimSGPimMode	Read-only	YES	NA	used with PIM-SM) group.
						Whether the local router should join the shortest-path tree for the source and group represented
4004044574040				VEC		by this entry. This
1.3.6.1.2.1.157.1.6.1.6		6 pimSGUpstreamJoinState	Read-only	YES	NA	corresponds to the state of the upstream (S,G) state machine in the PIM-SM specification. The time remaining before the local router next sends a periodic (S,G) Join message on
						pimSGRPFIfIndex. This timer
1.3.6.1.2.1.157.1.6.1.7		7 pimSGUpstreamJoinTimer	Read-only	YES	NA	is called the (S,G) Upstream Join Timer in the PIM-SM specification.
						The primary address of the neighbor on pimSGRPFIfIndex that the local router is sending periodic
126121157121		0 -iCCU *: : ! !	Daniel and a	VEC		(S,G) Join messages to.
1.3.6.1.2.1.157.1.6.1.8	1	8 pimSGUpstreamNeighbor	Read-only	YES	NA	This is zero if the RPF next hop is unknown or is not a PIM neighbor. The value of ifIndex for the RPF interface towards the source, or zero if the RPF interface is
1.3.6.1.2.1.157.1.6.1.9		9 pimSGRPFIfIndex	Read-only	YES	NA	unknown.
					0.00.0	The address type of the RPF next hop towards the source, orunknown(0) if the RPF next hop is
1.3.6.1.2.1.157.1.6.1.10		10 pimSGRPFNextHopType	Read-only	YES	NA	unknown.
1.3.6.1.2.1.157.1.6.1.11		11 pimSGRPFNextHop	Read-only	YES	NA	The address of the RPF next hop towards the source.
1.3.6.1.2.1.157.1.6.1.12		13 -i560050	Danid and	YES	NA	The routing mechanism via which the route used to find theRPF interface towards the source was learned.
1.3.0.1.2.1.137.1.0.1.12		12 pimSGRPFRouteProtocol	Read-only	11.3	INA	The IP address that, when combined with the corresponding value of pimSGRPFRoutePrefixLength,
						identifies the route
1.3.6.1.2.1.157.1.6.1.13		13 pimSGRPFRouteAddress	Read-only	YES	NA	used to find the RPF interface towards the source.
						The prefix length that, when combined with the corresponding value of pimSGRPFRouteAddress,
1.3.6.1.2.1.157.1.6.1.14		14 pimSGRPFRoutePrefixLength	Read-only	YES	NA	identifies the
1.3.6.1.2.1.157.1.6.1.15		15 pimSGRPFRouteMetricPref	Read-only	YES	NA NA	route used to find the RPF interface towards the source. The metric preference of the route used to find the RPF interface towards the source.
1.3.6.1.2.1.157.1.6.1.16		16 pimSGRPFRouteMetric	Read-only	YES	NA NA	The routing metric of the route used to find the RPF interface towards the source.
						Whether the SPT bit is set; and therefore whether forwarding is taking place on the shortest-path
1.3.6.1.2.1.157.1.6.1.17		17 pimSGSPTBit	Read-only	YES	NA	tree.
						The time remaining before this (S,G) state expires, in the absence of explicit (S,G) local membership
1.3.6.1.2.1.157.1.6.1.18		18 pimSGKeepaliveTimer	Read-only	YES	NA	or (S,G) Join messages received to maintain it.
1.0.0.1.2.11.101.11.0		10 pinisorecpanteriniei	nedd Only	123	100	John meddiges received to maintain it.
						Whether the local router should encapsulate (S,G) data packets in Register messages and send
						them to the RP. This
1.3.6.1.2.1.157.1.6.1.19		19 pimSGDRRegisterState	Read-only	YES	NA	corresponds to the state of the per-(S,G) Register state machine in the PIM-SM specification.
						If pimSGDRRegisterState is \prune this is the time remaining before the local router sends a Null-
						Register
						message to the RP. If pimSGDRRegisterState is \joinPending this is the time remaining before the
12612115716100		30 -:CCDDD:-tCtTi-	Daniel and a	VEC		local
1.3.6.1.2.1.157.1.6.1.20	1	20 pimSGDRRegisterStopTimer	Read-only	YES	NA	router resumes encapsulating data packets and sending them to the RP. Otherwise, this is zero. The address type of the first PIM Multicast Border Router to send a Register message with the
						Border bit set. This
1.3.6.1.2.1.157.1.6.1.21		21 pimSGRPRegisterPMBRAddressTyp	Read-only	YES	NA	object is unknown(0) if the local router is not the RP for the group.
						The IP address of the first PIM Multicast Border Router to send a Register message with the Border
1261211571212		22	Daniel and a	YES		bit set. The
1.3.6.1.2.1.157.1.6.1.22		22 pimSGRPRegisterPMBRAddress	Read-only	YES	NA	InetAddressType is given by thepimSGRPRegisterPMBRAddressType object. Whether the local router has pruned itself from the tree. This corresponds to the state of the upstream
						prune (S,G)
1.3.6.1.2.1.157.1.6.1.23		23 pimSGUpstreamPruneState	Read-only	YES	NA	state machine in the PIM-DM specification. This object is used only by PIM-DM.
						The time remaining before the local router may send a(S,G) Prune message on pimSGRPFIfIndex.
1.3.6.1.2.1.157.1.6.1.24		24 pimSGUpstreamPruneLimitTimer	Read-only	YES	NA	(S,G) Prune Limit Timer in the PIM-DM specification. This object is zero if the timer is not running.
		,	,			Whether the router is an originator for an (S,G) message flow. This corresponds to the state of the
						per-(S,G)
1.3.6.1.2.1.157.1.6.1.25		25 pimSGOriginatorState	Read-only	YES	NA	Originator state machine in the PIM-DM specification.
						If pimSGOriginatorState is \originator this is the time remaining before the local router reverts to
1.3.6.1.2.1.157.1.6.1.26		26 pimSGSourceActiveTimer	Read-only	YES	NA	a notOriginator
1.0.0.1.2.1.137.1.0.1.20		20 philodourceActive limer	nead-only	153	INA	state. Otherwise, this is zero. If pimSGOriginatorState is \originator this is the time remaining before the local router sends a
			1		1	State Refresh
						State Refresh

OBJECT NO	ENTRY NO	ENTRY NAME	MAX-ACCESS/ TEMPLATE	Support for GET	Support for SET	Comments
1.3.6.1.2.1.157.1.7		pimSGITable				
1.3.6.1.2.1.157.1.7.1		1 pimSGIEntry	Not-accessible	NA	NA	An entry (conceptual row) in the pimSGITable.
1.3.6.1.2.1.157.1.7.1.1		1 pimSGIIfIndex	Not-accessible	NA	NA	The ifIndex of the interface that this entry corresponds
1.3.6.1.2.1.157.1.7.1.2		2 pimSGIUpTime	Read-only	YES	NA	The time since this entry was created by the local router.
			,			Whether the local router has (S,G) local membership on this interface (resulting from a mechanism
						such as IGMP or MLD).
1.3.6.1.2.1.157.1.7.1.3		3 pimSGILocalMembership	Read-only	YES	NA	This corresponds to local_receiver_include(S,G,I) in the PIM-SM specification.
						The state resulting from (S,G) Join/Prune messages received on this interface. This corresponds to
						the state
1.3.6.1.2.1.157.1.7.1.4		4		VEC		of the downstream per-interface (S.G) state machine in the PIM-SM and PIM-DM specification.
1.3.6.1.2.1.157.1.7.1.4		4 pimSGIJoinPruneState	Read-only	YES	NA	of the downstream per-interface (5,G) state machine in the PIM-5M and PIM-DM specification.
						The time remaining before the local router acts on an (S,G) Prune message received on this
						interface, during which the
1.3.6.1.2.1.157.1.7.1.5		5 pimSGIPrunePendingTimer	Read-only	YES	NA	Router is waiting to see whether another downstream router will override the Prune message.
1.3.6.1.2.1.157.1.7.1.6		6 pimSGIJoinExpiryTimer	Read-only	YES	NA	The time remaining before (S,G) Join state for this interface expires.
						The (S,G) Assert state for this interface. This corresponds to the state of the per-interface (S,G)
						Assert
1.3.6.1.2.1.157.1.7.1.7		7 pimSGIAssertState	Read-only	YES	NA	state machine in the PIM-SM specification.
						If pimSGIAssertState is \iAmAssertWinner this is the time remaining before the local router next
						sends a (S,G) Assert
						Message on this interface. If pimSGIAssertState is \iAmAssertLoser this is the time remaining
						before the
1.3.6.1.2.1.157.1.7.1.8		8 pimSGIAssertTimer	Read-only	YES	NA	(S,G) Assert state expires. If pimSGIAssertState is \noInfo this is zero.
1.0.011.2.11107111110		o piniouroscremici	nead only	123	103	If pimSGIAssertState is \iAmAssertLoser this is the address type of the assert winner; otherwise,
1.3.6.1.2.1.157.1.7.1.9		9 pimSGIAssertWinnerAddressType	Read-only	YES	NA	this object is unknown(0).
		,				If pimSGIAssertState is \iAmAssertLoser this is the address of the assert winner. The
						InetAddressType is given
1.3.6.1.2.1.157.1.7.1.10		10 pimSGIAssertWinnerAddress	Read-only	YES	NA	by the pimSGIAssertWinnerAddressType object.
						If pimSGIAssertState is \iAmAssertLoser this is the metric preference of the route to the source
						advertised by
1.3.6.1.2.1.157.1.7.1.11		11 pimSGIAssertWinnerMetricPref	Read-only	YES	NA	The assert winner; otherwise, this object is zero.
						If pimSGIAssertState is \iAmAssertLoser this is the routing metric of the route to the source
						advertised by the
1.3.6.1.2.1.157.1.7.1.12		12 pimSGIAssertWinnerMetric	Read-only	YES	NA	assert winner; otherwise, this object is zero.
1.3.6.1.2.1.157.1.8	pimSGRptTabl	le l				
1.3.6.1.2.1.157.1.8.1		1 pimSGRptEntry	Not-accessible	NA	NA	An entry (conceptual row) in the pimSGRptTable.
						The source address for this entry. The InetAddressType is given by the pimStarGAddressType
1.3.6.1.2.1.157.1.8.1.1		1 pimSGRptSrcAddress	Not-accessible	NA	NA	object.
1.3.6.1.2.1.157.1.8.1.2		2 pimSGRptUpTime	Read-only	YES	NA	The time since this entry was created by the local router.
						Whether the local router should prune the source off the RPtree. This corresponds to the state of
						the upstream
1.3.6.1.2.1.157.1.8.1.3		3 pimSGRptUpstreamPruneState	Read-only	YES	NA	(S,G,rpt) state machine for triggered messages in the PIMSM specification.
						The time remaining before the local router sends a triggered (S,G,rpt) Join message on
						pimStarGRPFIfIndex.
1.3.6.1.2.1.157.1.8.1.4	1	4 pimSGRptUpstreamOverrideTime	Read-only	YES	NA	This timer is called the (S,G,rpt) Upstream Override Timer in the PIM-SM specification.

			MAX-ACCESS/			
OBJECT NO	ENTRY NO	ENTRY NAME	TEMPLATE	Support for GET	Support for SET	Comments
1.3.6.1.2.1.157.1.11		pimStaticRPTable				
1.3.6.1.2.1.157.1.11.1		1 pimStaticRPEntry	Not-accessible	NA	NA	An entry (conceptual row) in the pimStaticRPTable
1.3.6.1.2.1.157.1.11.1.1		1 pimStaticRPAddressType	Not-accessible	NA	NA	The address type of this entry.
						The multicast group address that, when combined with pimStaticRPGrpPrefixLength, gives the
						group prefix for this
1.3.6.1.2.1.157.1.11.1.2		2 PimStaticRPGrpAddress	Not-accessible	NA	NA	entry. The InetAddressType is given by the pimStaticRPAddressType object.
						The multicast group prefix length that, when combined with pimStaticRPGrpAddress, gives the
1.3.6.1.2.1.157.1.11.1.3		3 PimStaticRPGrpPrefixLength	Not-accessible	NA	NA	group prefix for this Entry.
						The IP address of the RP to be used for groups within this group prefix. The InetAddressType is
1.3.6.1.2.1.157.1.11.1.4		4 pimStaticRPRPAddress	read-create	YES	YES	given by thepimStaticRPAddressType object.
						The PIM mode to be used for groups in this group prefix. If this object is set to ssm(2), then
						pimStaticRPRPAddress
1.3.6.1.2.1.157.1.11.1.5		5 pimStaticRPPimMode	read-create	YES	YES	must be set to zero. No RP operations are ever possible for PIM Mode SSM.
						Whether this static RP configuration will override other
1.3.6.1.2.1.157.1.11.1.6		6 pimStaticRPOverrideDynamic	read-create	YES	YES	group mappings in this group prefix.
						The value for pimGroupMappingPrecedence to be used for this static RP configuration.Snmp-set
1.3.6.1.2.1.157.1.11.1.7		7 pimStaticRPPrecedence	read-create	YES	NO	function is not supported.
						The status of this row, by which rows in this table can
1.3.6.1.2.1.157.1.11.1.8		8 pimStaticRPRowStatus	read-create	YES	LTD	be created and destroyed.snmpset is applicable for only (1,2,6) values.
						The storage type for this row. Rows having the value
						\permanent\ need not allow write-access to any columnar objects in the row.Snmp-set function is
1.3.6.1.2.1.157.1.11.1.9		9 pimStaticRPStorageType	read-create	YES	NO	not supported.
1.3.6.1.2.1.157.1.12		PimAnycastRPSetTable				
1.3.6.1.2.1.157.1.12.1		1 pimAnycastRPSetEntry	Not-accessible	NA	NA	An entry corresponds to a single router within a particular Anycast-RP set.
1.3.6.1.2.1.157.1.12.1.1		1 pimAnycastRPSetAddressType	Not-accessible	NA	NA	The address type of the Anycast-RP address and router address.
1.3.6.1.2.1.157.1.12.1.2		2 pimAnycastRPSetAnycastAddress	Not-accessible	NA	NA	The Anycast-RP address.
1.3.6.1.2.1.157.1.12.1.3		3 pimAnycastRPSetRouterAddress	Not-accessible	NA	NA	The address of a router that is a member of the AnycastRPset.
1.3.6.1.2.1.157.1.12.1.4		4 pimAnycastRPSetLocalRouter	Read-only	YES	NA	Whether this entry corresponds to the local router
						"The status of this row, by which rows in this table can
1.3.6.1.2.1.157.1.12.1.5		5 pimAnycastRPSetRowStatus	read-create	YES	LTD	be created and destroyed.snmpset is applicable for only (4,5,6) values.
						The storage type for this row. Rows having the value\permanent\ need not allow write-access to
1.3.6.1.2.1.157.1.12.1.6		6 pimAnycastRPSetStorageType	read-create	YES	NO	any columnar objects in the row.Snmp-set function is not supported.
1.3.6.1.2.1.157.1.13	1	pimGroupMappingTable				
1.3.6.1.2.1.157.1.13.1		1 pimGroupMappingEntry	Not-accessible	NA	NA	An entry (conceptual row) in the pimGroupMappingTable.
1.3.6.1.2.1.157.1.13.1.1		1 pimGroupMappingOrigin	Not-accessible	NA	NA	The mechanism by which this group mapping was learned.
1.3.6.1.2.1.157.1.13.1.2		2 pimGroupMappingAddressType	Not-accessible	NA	NA	The address type of the IP multicast group prefix.
						The IP multicast group address that, when combined withpimGroupMappingGrpPrefixLength, gives
1.3.6.1.2.1.157.1.13.1.3		3 pimGroupMappingGrpAddress	Not-accessible	NA	NA	the group prefix for this mapping.
						The multicast group prefix length that, when combined with pimGroupMappingGrpAddress, gives
1.3.6.1.2.1.157.1.13.1.4		4 pimGroupMappingGrpPrefixLength	Not-accessible	NA	NA	the group prefix for this mapping.
						The address type of the RP to be used for groups within this group prefix, or unknown(0) if no RP is
1.3.6.1.2.1.157.1.13.1.5		5 pimGroupMappingRPAddressType		NA	NA	to be used orif the RP address is unknown.
1.3.6.1.2.1.157.1.13.1.6		6 pimGroupMappingRPAddress	Not-accessible	NA	NA	The IP address of the RP to be used for groups within this group prefix.
1.3.6.1.2.1.157.1.13.1.7		7 pimGroupMappingPimMode	Read-only	YES	NA	The PIM mode to be used for groups in this group prefix.
1.3.6.1.2.1.157.1.13.1.8		8 pimGroupMappingPrecedence	Read-only	YES	NA	The precedence of this row.

001507410	FAITEN/ A10	511787711445	MAX-ACCESS/			
OBJECT NO Scalars	ENTRY NO	ENTRY NAME	TEMPLATE	Support for GET	Support for SET	Comments
Scalars						The duration of the Keepalive Timer. This is the periodduring which the PIM router will maintain
						(S,G) state in the
1.3.6.1.2.1.157.1.14.0		0 pimKeepalivePeriod	Read-write	YES	YES	absence of explicit (S,G) local membership or (S,G) join messages received to maintain it.
				-	1-0	(4/2)
						The duration of the Register Suppression Timer. This is the period during which a PIM Designated Router
						(DR) stops
1.3.6.1.2.1.157.1.15.0		0 pimRegisterSuppressionTime	Read-write	YES	YES	sending Register-encapsulated data to the Rendezvous Point (RP) after receiving a Register-Stop message.
1.3.6.1.2.1.157.1.16.0		0 pimStarGEntries	Read-only	YES	NA	The number of entries in the pimStarGTable.
1.3.6.1.2.1.157.1.17.0		0 pimStarGIEntries	Read-only	YES	NA	The number of entries in the pimStarGITable.
1.3.6.1.2.1.157.1.18.0		0 pimSGEntries	Read-only	YES	NA	The number of entries in the pimSGTable.
1.3.6.1.2.1.157.1.19.0		0 pimSGIEntries	Read-only	YES	NA	The number of entries in the pimSGITable.
1.3.6.1.2.1.157.1.20.0		0 pimSGRptEntries	Read-only	YES	NA	The number of entries in the pimSGRpTable.
1.3.6.1.2.1.157.1.21.0		0 pimSGRptIEntries	Read-only	YES	NA	The number of entries in the pimSGRpTlable.
						The combined Assessment London Committee Commi
1 2 6 1 2 1 1 5 7 1 22 0		0 pimOutAsserts	Danid and	YES	NA	The number of Asserts sent by this router. Discontinuities in the value of this counter can occur at
1.3.6.1.2.1.157.1.22.0		U pimoutasserts	Read-only	TES	NA .	re-initialization of the management system, for example, when the device is rebooted. The number of Asserts received by this router. Asserts are multicast to all routers on a network.
						This counter is
						incremented by all routers that receive an assert, not only those routers that are contesting the
1.3.6.1.2.1.157.1.23.0		0 pimInAsserts	Read-only	YES	NA	assert.
1.0.0.1.2.1.107.11.20.0		o pinnia osci os	nedd omy	120	101	The interface on which this router most recently sent or received an assert, or zero if this router
						has not sent or
1.3.6.1.2.1.157.1.24.0		0 pimLastAssertInterface	Read-only	YES	NA	received an assert.
	1					The address type of the multicast group address in the most recently sent or received assert. If this
1.3.6.1.2.1.157.1.25.0	1	0 pimLastAssertGroupAddressType	Read-only	YES	NA	router has not sent or received an assert, then this object is set to unknown(0).
1.3.6.1.2.1.157.1.26.0		0 pimLastAssertGroupAddress	Read-only	YES	NA	The multicast group address in the most recently sent or received assert.
						The address type of the source address in the most recently sent or received assert. If the most
						recent assert was
1.3.6.1.2.1.157.1.27.0		0 pimLastAssertSourceAddressType	Read-only	YES	NA	(*,G), or if this router has not sent or received an assert, then this object is set to unknown(0).
1.3.6.1.2.1.157.1.28.0		0 pimLastAssertSourceAddress	Read-only	YES	NA	The source address in the most recently sent or received assert.
						The minimum time that must elapse between pimNeighborLoss notifications originated by this
						router. The maximum value
						65535 represents an \infinite\ time, in which case, no pimNeighborLoss notifications are ever sent.
1.3.6.1.2.1.157.1.29.0		0 pimNeighborLossTrapPeriod	Read-write	YES	YES	The storage type of this object is determined by pimDeviceConfigStorageType.
1.3.6.1.2.1.157.1.30.0		0 pimNeighborLossCount	Read-only	YES	NA	The number of neighbor loss events that have occurred.
						The minimum time that must elapse between
1.3.6.1.2.1.157.1.31.0		0 pimInvalidRegisterTrapPeriod	Read-write	YES	YES	pimInvalidRegister notifications originated by this router.
1.3.6.1.2.1.157.1.32.0		0 pimInvalidRegisterMsgsRcvd	Read-only	YES	NA	The number of invalid PIM Register messages that have been received by this device.
1.3.6.1.2.1.157.1.33.0		0 pimInvalidRegisterAddressType	Read-only	YES	NA	The address type stored in pimInvalidRegisterOrigin
1.3.6.1.2.1.157.1.34.0		0 pimInvalidRegisterOrigin	Read-only	YES	NA	The source address of the last invalid Register message received by this device.
1.3.6.1.2.1.157.1.35.0		0	Danid and	YES	NA	The IP multicast group address to which the last invalid
1.3.6.1.2.1.157.1.35.0		0 pimInvalidRegisterGroup	Read-only	YE2	NA	Register message received by this device was addressed.
1.3.6.1.2.1.157.1.36.0		0 pimInvalidRegisterRp	Read-only	YES	NA	The RP address to which the last invalid Register message received by this device was delivered.
1.3.0.1.2.1.137.1.30.0		o pirilirvaliukegisterkp	Read-Olly	TE3	NA .	The minimum time that must elapse between
1.3.6.1.2.1.157.1.37.0		0 pimInvalidJoinPruneTrapPeriod	Read-write	YES	YES	pimInvalidJoinPrune notifications originated by this router.
1.3.6.1.2.1.157.1.38.0		0 pimInvalidJoinPruneMsgsRcvd	Read-only	YES	NA NA	The number of invalid PIM Join/Prune messages that have been received by this device.
1.0.0.11.2.11.107.11.00.0		o primitaliazonii tarcivisgsicva	nedd omy	125	101	The address type stored in pimInvalidJoinPruneOrigin,
						pimInvalidJoinPruneGroup, and pimInvalidJoinPruneRp.
1.3.6.1.2.1.157.1.39.0		0 pimInvalidJoinPruneAddressType	Read-only	YES	NA	If no invalid Join/Prune messages have been received, this object is set to unknown(0)
1.3.6.1.2.1.157.1.40.0		0 pimInvalidJoinPruneOrigin	Read-only	YES	NA	The source address of the last invalid Join/Prune message received by this device.
			,			The IP multicast group address carried in the last
1.3.6.1.2.1.157.1.41.0		0 pimInvalidJoinPruneGroup	Read-only	YES	NA	invalid Join/Prune message received by this device."
						The RP address carried in the last invalid Join/Prune
1.3.6.1.2.1.157.1.42.0		0 pimInvalidJoinPruneRp	Read-only	YES	NA	message received by this device.
	1					The minimum time that must elapse between
						pimRPMappingChange notifications originated by this router. The default value of 65535
1.3.6.1.2.1.157.1.43.0		0 pimRPMappingTrapPeriod	Read-write	YES	YES	represents an \infinite\ time, in which case, no pimRPMappingChange notifications are ever sent.
						The number of changes to active RP mappings on this device. Information about active RP
	1					mappings is available in pimGroupMappingTable. Only changes to active mappings cause this
1.3.6.1.2.1.157.1.44.0		0 pimRPMappingChangeCount	Read-only	YES	NA	counter to be incremented.
						The minimum time that must elapse between
			L			pimInterfaceElection notifications originated by this
1.3.6.1.2.1.157.1.45.0		0 pimInterfaceElectionTrapPeriod	Read-write	YES	YES	Router.
1.3.6.1.2.1.157.1.46.0		0 pimInterfaceElectionWinCount	Read-only	YES	NA	The number of times this device has been elected DR or DF on any interface.
1 2 6 1 2 1 1 5 7 1 1 7 2	1	0	Daniel Constant	NO.	NO	The interval between successive State Refresh messages sent by an Originator. ZebOS currently
1.3.6.1.2.1.157.1.47.0	+	0 pimInterfaceRefreshInterval	Read-write	NO	NO	doesn't have support for this. The storage time used for the global RIM configuration of this device, comprised of the objects
	1					The storage type used for the global PIM configuration of this device, comprised of the objects
		i i	1	The state of the s	1	listed below. If this storage type takes the value 'permanent', write-access to the listed objects
1.3.6.1.2.1.157.1.48.0		0 pimDeviceConfigStorageType	Read-write	YES	NO	need not be allowed.snmpset is not supported.

OBJECT NO	ENTRY	ENTRY NAME	MAX-ACCESS/	Support for	Support	Comments	Problems
1.3.6.1.2.1.168.1.1.0	110	lpMcastEnabled	TEMPLATE Read-write	YES	for SET YES	The enabled status of IP Multicast function on this system.	
1.3.6.1.2.1.168.1.1.0		ipMcastEnabled ipMcastRouteEntryCount	Read-write Read-only	YES	NA NA	The enabled status of IP Multicast function on this system. The number of rows in the ipMcastRouteTable. This can be	
		, , , , , , , , , , , , , , , , , , , ,	,			used to check for multicast routing activity, and to monitor the multicast routing table size.	
1.3.6.1.2.1.168.1.3		ipMcastInterfaceTable					
1.3.6.1.2.1.168.1.3.1	1	ipMcastInterfaceEntry	Not-accessible	NA	NA	An entry (conceptual row) containing the multicast protocol	
1.3.6.1.2.1.168.1.3.1.1	+	ipMcastInterfaceIPVersion	Not-accessible	NA	NA	information for a particular interface. The IP version of this row.	
1.3.6.1.2.1.168.1.3.1.2		pMcastInterfaceIfIndex	Not-accessible	NA NA	NA NA	The index value that uniquely identifies the interface to	
1.0.0.1.2.1.100.1.0.1.2	1 *	i pivicastine race i i i de x	140t decessible	107	100	which this entry is applicable.	
1.3.6.1.2.1.168.1.3.1.3	3	ipMcastInterfaceTtI	Read-write	YES	YES	The datagram Time to Live (TTL) threshold for the	
						interface. Any IP multicast datagrams with a TTL (IPv4) or	
						Hop Limit (IPv6) less than this threshold will not be	
1.3.6.1.2.1.168.1.3.1.4		ipMcastInterfaceRateLimit	Read-write	YES	NO	forwarded out the interface. The rate-limit, in kilobits per second, of forwarded	Snmp-set is not supported.
1.0.0.1.2.1.100.1.0.1.4		i pividadimendoerkatezimit	read write	120	110	multicast traffic on the interface. A rate-limit of 0	crimp sects not supported.
						indicates that no rate limiting is done.	
1.3.6.1.2.1.168.1.3.1.5	5	ipMcastInterfaceStorageType	Read-write	YES	NO	The storage type for this row. Rows having the value	Snmp-set is not supported.
						\permanent\ need not allow write-access to any columnar	
1.3.6.1.2.1.168.1.4		ipMcastSsmRangeTable				objects in the row.	
1.3.6.1.2.1.168.1.4.1	1	ipMcastSsmRangeEntry	Not-accessible	NO	NO	Zebos currently doesnt support this.	
1.3.6.1.2.1.168.1.4.1.1	1	ipMcastSsmRangeAddressType	Not-accessible	NO	NO	Zebos currently doesnt support this.	
1.3.6.1.2.1.168.1.4.1.2		ipMcastSsmRangeAddress	Not-accessible	NO	NO	Zebos currently doesnt support this.	
1.3.6.1.2.1.168.1.4.1.3		ipMcastSsmRangePrefixLength	Not-accessible	NO	NO	Zebos currently doesnt support this.	
1.3.6.1.2.1.168.1.4.1.4 1.3.6.1.2.1.168.1.4.1.5		ipMcastSsmRangeRowStatus	Read-create	NO NO	NO NO	Zebos currently doesnt support this. Zebos currently doesnt support this.	
1.3.6.1.2.1.168.1.5	1	ipMcastSsmRangeStorageType ipMcastRouteTable	Read-create	NO	INO	Zebos currently doesn't support this.	
1.3.6.1.2.1.168.1.5.1	1	ipMcastRouteEntry	Not-accessible	NA	NA	An entry (conceptual row) containing the multicast routing	
		,,				information for IP datagrams from a particular source and	
						addressed to a particular IP multicast group address.	
1.3.6.1.2.1.168.1.5.1.1	1	ipMcastRouteGroupAddressType	Not-accessible	NA	NA	A value indicating the address family of the address contained in ipMcastRouteGroup.	
1.3.6.1.2.1.168.1.5.1.2	2	ipMcastRouteGroup	Not-accessible	NA	NA	The IP multicast group address which, when combined with	
						the corresponding value specified in	
						ipMcastRouteGroupPrefixLength, identifies the groups for	
1.3.6.1.2.1.168.1.5.1.3		ipMcastRouteGroupPrefixLength	Not-accessible	NA	NA	which this entry contains multicast routing information. The length in bits of the mask which, when combined with	
1.0.0.1.2.1.100.1.0.1.0	`	ipinicasi (odio oroupi renzeengur	140t doccosibio	100	1471	the corresponding value of ipMcastRouteGroup, identifies the	
						groups for which this entry contains multicast routing	
						Information.	
1.3.6.1.2.1.168.1.5.1.4	4	ipMcastRouteSourceAddressType	Not-accessible	NA	NA	A value indicating the address family of the address contained in ipMcastRouteSource.	
1.3.6.1.2.1.168.1.5.1.5	,	ipMcastRouteSource	Not-accessible	NA	NA	The network address which, when combined with the	
	`	i pinicacii rodiocodi co	1101 0000001010			corresponding value of ipMcastRouteSourcePrefixLength,	
						identifies the sources for which this entry contains	
				-l		multicast routing information.	
1.3.6.1.2.1.168.1.5.1.6	6	ipMcastRouteSourcePrefixLength	Not-accessible	NA	NA	The length in bits of the mask which, when combined with	
						the corresponding value of ipMcastRouteSource, identifies the sources for which this entry contains multicast routing	
						Information.	
1.3.6.1.2.1.168.1.5.1.7	7	ipMcastRouteUpstreamNeighborType	Read-only	YES	NA	A value indicating the address family of the address	
100404460454	<u> </u>	la Marad Davida Harden and November 1	Dandan'	VE0	I.	Contained in ipMcastRouteUpstreamNeighbor.	
1.3.6.1.2.1.168.1.5.1.8	1	ipMcastRouteUpstreamNeighbor	Read-only	YES	NA	The address of the upstream neighbor (for example, RPF neighbor) from which IP datagrams from these sources to	
						this multicast address are received.	
1.3.6.1.2.1.168.1.5.1.9	9	ipMcastRouteInIfIndex	Read-only	YES	NA	The value of ifIndex for the interface on which IP	
						datagrams sent by these sources to this multicast address	
	1		ļ	1/50	1	are received.	
1.3.6.1.2.1.168.1.5.1.10	10	ipMcastRouteTimeStamp	Read-only	YES	NA	The value of sysUpTime at which the multicast routing	
						information represented by this entry was learned by the Router.	
1.3.6.1.2.1.168.1.5.1.11	11	ipMcastRouteExpiryTime	Read-only	YES	NA	The minimum amount of time remaining before this entry will	
			·			be aged out.	
1.3.6.1.2.1.168.1.5.1.12	12	pMcastRouteProtocol	Read-only	YES	NA	The multicast routing protocol via which this multicast	
12642446045440	40) In Magat Day to Dt Drate and	Dood only	VEC	NIA	forwarding entry was learned.	
1.3.6.1.2.1.168.1.5.1.13	13	IpMcastRouteRtProtocol	Read-only	YES	NA	The routing mechanism via which the route used to find the upstream or parent interface for this multicast forwarding	
						entry was learned.	
1.3.6.1.2.1.168.1.5.1.14	14	IpMcastRouteRtAddressType	Read-only	YES	NA	A value indicating the address family of the address	
			•	_	1	contained in ipMcastRouteRtAddress.	
1.3.6.1.2.1.168.1.5.1.15	15	IpMcastRouteRtAddress	Read-only	YES	NA	The address portion of the route used to find the upstream	
		ipMcastRouteRtPrefixLength	Read-only	YES	NA	or parent interface for this multicast forwarding entry. The length in bits of the mask associated with the route	_
13612116016146	4.0						
1.3.6.1.2.1.168.1.5.1.16	16	pipivicastkoutektPrenxLengtri	ixeau-only	123	100	used to find the upstream or parent interface for this	

		EM ID I DIT	- In .	VE0	1	I - 2	
1.3.6.1.2.1.168.1.5.1.17	17	IpMcastRouteRtType	Read-only	YES	NA	The reason the given route was placed in the (logical)	
						multicast Routing Information Base (RIB). A value of	
						unicast means that the route would normally be placed only	
						in the unicast RIB, but was placed in the multicast RIB	
						due (instead or in addition) to local configuration, such as	
						when running PIM over RIP. A value of multicast means that	
						the route was explicitly added to the multicast RIB by the	
						routing protocol, such as the Distance Vector Multicast	
						Routing Protocol (DVMRP) or Multiprotocol BGP.	
1.3.6.1.2.1.168.1.5.1.18	18	ipMcastRouteOctets	Read-only	YES	NA	The number of octets contained in IP datagrams that were	
			· · · · ·			received from these sources and addressed to this multicast	
						group address, and which were forwarded by this router.	
1.3.6.1.2.1.168.1.5.1.19	19	ipMcastRoutePkts	Read-only	YES	NA	"The number of packets routed using this multicast route	
			· · · · ·			Entry.	
1.3.6.1.2.1.168.1.5.1.20	20	ipMcastRouteTtlDropOctets	Read-only	NO	NA	The number of packets that this router has received from	Not supported
						these sources and addressed to this multicast group address,	
						which were dropped because the TTL (IPv4) or Hop Limit	
						(IPv6) was decremented to zero, or to a value less than	
						ipMcastInterfaceTtl for all next hops.	
1.3.6.1.2.1.168.1.5.1.21	21	ipMcastRouteTtlDropPackets	Read-only	NO	NA	The number of packets that this router has received from	Not supported
		· ·	· · · · ·			these sources and addressed to this multicast group address,	
						which were dropped because the TTL (IPv4) or Hop Limit	
						(IPv6) was decremented to zero, or to a value less than	
						ipMcastInterfaceTtl for all next hops.	
1.3.6.1.2.1.168.1.5.1.22	22	ipMcastRouteDifferentInIfOctets	Read-only	NO	NA	The number of octets contained in IP datagrams that this	Not supported
			· · · · ·			router has received from these sources and addressed to this	
						multicast group address, which were dropped because they	
						were received on an unexpected interface.	
1.3.6.1.2.1.168.1.5.1.23	23	ipMcastRouteDifferentInIfPackets	Read-only	YES	NA	The number of packets which this router has received from	
						these sources and addressed to this multicast group address,	
			l			which were dropped because they were received on an	
						unexpected interface.	
1.3.6.1.2.1.168.1.5.1.24	24	IpMcastRouteBps	Read-only	NO	NO	ZebOS currently doesn't have support for this.	Not supported

12612416016		in Manat Paysta Navilla	Table				
1.3.6.1.2.1.168.1.6 1.3.6.1.2.1.168.1.6.1	1	ipMcastRouteNextHop IpMcastRouteNextHopEntry	Not-accessible	NA	NA	An entry (conceptual row) in the list of next-hops on	
1.3.0.1.2.1.100.1.0.1	'	ipivicasirouteriextinopEntry	Not-accessible	INA	INA	outgoing interfaces to which IP multicast datagrams from	
						particular sources to an IP multicast group address are	
						Routed.	
1.3.6.1.2.1.168.1.6.1.1	1 iş	pMcastRouteNextHopGroupAddressType	Not-accessible	NA	NA	A value indicating the address family of the address	
						contained in ipMcastRouteNextHopGroup.	
1.3.6.1.2.1.168.1.6.1.2	2 ip	pMcastRouteNextHopGroup	Not-accessible	NA	NA	The IP multicast group address which, when combined with	
						the corresponding value specified in ipMcastRouteNextHopGroupPrefixLength, identifies the groups	
						for which this entry contains multicast forwarding	
						Information.	
1.3.6.1.2.1.168.1.6.1.3	3 l	pMcastRouteNextHopGroupPrefixLength	Not-accessible	NA	NA	The length in bits of the mask which, when combined with	
	1	· · · · · · · ·				the corresponding value of ipMcastRouteGroup, identifies the	
						groups for which this entry contains multicast routing	
				ļ	ļ	Information.	
1.3.6.1.2.1.168.1.6.1.4	4	IpMcastRouteNextHopSourceAddressType	Not-accessible	NA	NA	A value indicating the address family of the address	
1.3.6.1.2.1.168.1.6.1.5	- 5	IpMcastRouteNextHopSource	Not-accessible	NA	NA	contained in ipMcastRouteNextHopSource. The network address which, when combined with the	
1.3.0.1.2.1.100.1.0.1.3	3	ipincasii voiteriexti iopootice	Not-accessible	INA.	INA	corresponding value of the mask specified in	
						ipMcastRouteNextHopSourcePrefixLength, identifies the	
						sources for which this entry specifies a next-hop on an	
						outgoing interface.	
1.3.6.1.2.1.168.1.6.1.6	6	IpMcastRouteNextHopSourcePrefixLength	Not-accessible	NA	NA	The length in bits of the mask which, when combined with	
				1		the corresponding value specified in	
				1		ipMcastRouteNextHopSource, identifies the sources for which	
1.3.6.1.2.1.168.1.6.1.7	7	IpMcastRouteNextHopIfIndex	Not-accessible	NA	NA	this entry specifies a next-hop on an outgoing interface. The ifIndex value of the interface for the outgoing	+
	'			[· · ·	1."	interface for this next-hop.	
1.3.6.1.2.1.168.1.6.1.8	8 ip	pMcastRouteNextHopAddressType	Not-accessible	NA	NA	A value indicating the address family of the address	
	I					contained in ipMcastRouteNextHopAddress.	
1.3.6.1.2.1.168.1.6.1.9		pMcastRouteNextHopAddress	Not-accessible	NA	NA	The address of the next-hop specific to this entry.	
1.3.6.1.2.1.168.1.6.1.10	10	IpMcastRouteNextHopState	Read-only	YES	NA	An indication of whether the outgoing interface and next-	
						hop represented by this entry is currently being used to	
						forward IP datagrams. The value \forwarding\ indicates it	
						is currently being used; the value \pruned\ indicates it is Not.	
1.3.6.1.2.1.168.1.6.1.11	11 it	pMcastRouteNextHopTimeStamp	Read-only	YES	NA	The value of sysUpTime at which the multicast routing	
		F	,			information represented by this entry was learned by the	
						Router.	
1.3.6.1.2.1.168.1.6.1.12	12 կ	pMcastRouteNextHopExpiryTime	Read-only	YES	NA	The minimum amount of time remaining before this entry will	
10010110110	40	hand and the state of the state	Deed eat.	VE0	NIA	be aged out.	
1.3.6.1.2.1.168.1.6.1.13	13	IpMcastRouteNextHopClosestMemberHops	Read-only	YES	NA	The minimum number of hops between this router and any	
						member of this IP multicast group reached via this next-hop on this outgoing interface.	
1.3.6.1.2.1.168.1.6.1.14	14 li	pMcastRouteNextHopProtocol	Read-only	YES	NA	The routing mechanism via which this next-hop was learned.	
1.3.6.1.2.1.168.1.6.1.15	15	IpMcastRouteNextHopOctets	Read-only	YES	NA	The number of octets of multicast packets that have been	
						forwarded using this route.	
1.3.6.1.2.1.168.1.6.1.16	16 ip	pMcastRouteNextHopPkts	Read-only	YES	NA	The number of packets which have been forwarded using this	
1.3.6.1.2.1.168.1.7		ipMcastBoundaryTable				Route.	
1.3.6.1.2.1.168.1.7.1	1 lie	pMcastBoundaryEntry	Not-accessible	NA	NA	An entry (conceptual row) describing one of this device\s	Zebos currently doesnt support this.
	·["			[· · ·	1."	multicast scope zone boundaries.	account outport this.
1.3.6.1.2.1.168.1.7.1.1	1	IpMcastBoundaryIfIndex	Not-accessible	NA	NA	The IfIndex value for the interface to which this boundary	Zebos currently doesnt support this.
		· · · · · · · · · · · · · · · · · · ·				Applies.	
1.3.6.1.2.1.168.1.7.1.2	2 i	pMcastBoundaryAddressType	Not-accessible	NA	NA	A value indicating the address family of the address	Zebos currently doesnt support this.
4004044004740	61.	Manage Day on James Address of	Not accepted	N10	1.10	contained in ipMcastBoundaryAddress	7-h
1.3.6.1.2.1.168.1.7.1.3	3 ii	pMcastBoundaryAddress	Not-accessible	NA	NA	The group address which, when combined with the	Zebos currently doesnt support this.
				1		corresponding value of ipMcastBoundaryAddressPrefixLength, identifies the group range for which the scoped boundary	
				1		Exists.	
1.3.6.1.2.1.168.1.7.1.4	4 it	pMcastBoundaryAddressPrefixLength	Not-accessible	NA	NA	The length in bits of the mask which when, combined with	Zebos currently doesnt support this.
]"					the corresponding value of ipMcastBoundaryAddress,	,
				1		identifies the group range for which the scoped boundary	
			<u> </u>	1		Exists.	
1.3.6.1.2.1.168.1.7.1.5		IpMcastBoundaryTimeStamp	Read-only	NO	NO	Zebos currently doesnt support this.	
1.3.6.1.2.1.168.1.7.1.6 1.3.6.1.2.1.168.1.7.1.7		pMcastBoundaryDroppedMcastOctets pMcastBoundaryDroppedMcastPkts	Read-only Read-only	NO NO	NO NO	Zebos currently doesnt support this. Zebos currently doesnt support this.	+
1.3.6.1.2.1.168.1.7.1.7		pMcastBoundaryDroppedwcastPkts pMcastBoundaryStatus	Read-only Read-create	NO NO	NO	Zebos currently doesnt support this. Zebos currently doesnt support this.	+
1.3.6.1.2.1.168.1.7.1.9		pMcastBoundaryStorageType	Read-create	NO	NO	Zebos currently doesn't support this.	
1.3.6.1.2.1.168.1.8	311	ipMcastScopeNameTable	9		_	, , , , , , , , , , , , , , , , , , , ,	
1.3.6.1.2.1.168.1.8.1	1 is	pMcastScopeNameEntry	Not-accessible	NA	NA	Zebos currently doesnt support this.	
1.3.6.1.2.1.168.1.8.1.1		pMcastScopeNameAddressType	Not-accessible	NA	NA	Zebos currently doesnt support this.	
1.3.6.1.2.1.168.1.8.1.2		pMcastScopeNameAddress	Not-accessible	NA	NA	Zebos currently doesnt support this.	
1.3.6.1.2.1.168.1.8.1.3		pMcastScopeNameAddressPrefixLength	Not-accessible	NA	NA	Zebos currently doesnt support this.	+
1.3.6.1.2.1.168.1.8.1.4 1.3.6.1.2.1.168.1.8.1.5		pMcastScopeNameLanguage pMcastScopeNameString	Not-accessible Read-create	NA NO	NA NO	Zebos currently doesnt support this. Zebos currently doesnt support this.	+
1.3.6.1.2.1.168.1.8.1.5		pMcastScopeNameString pMcastScopeNameDefault	Read-create Read-create	NO	NO	Zebos currently doesnt support this. Zebos currently doesnt support this.	1
1.0.0.1.2.1.100.1.0.1.0	ווס	pivicasiocopervairieDerault	IIVean-ciegle	INC	INC	Lebos currently doesn't support tills.	

1.3.6.1.2.1.168.1.8.1.7	7 ipMcastScopeNameStatus	Read-create	NO	NO	Zebos currently doesnt support this.	
1.3.6.1.2.1.168.1.8.1.8	8 ipMcastScopeNameStorageType	Read-create	NO	NO	Zebos currently doesnt support this.	
1.3.6.1.2.1.168.1.9	ipMcastLocalListenerTable					
1.3.6.1.2.1.168.1.9.1	1 ipMcastLocalListenerEntry	Not-accessible	NA	NA	Zebos currently doesnt support this.	
1.3.6.1.2.1.168.1.9.1.1	1 lpMcastLocalListenerGroupAddressType	Not-accessible	NA	NA	Zebos currently doesnt support this.	
1.3.6.1.2.1.168.1.9.1.2	2 ipMcastLocalListenerGroupAddress	Not-accessible	NA	NA	Zebos currently doesnt support this.	
1.3.6.1.2.1.168.1.9.1.3	3 ipMcastLocalListenerSourceAddressType	Not-accessible	NA	NA	Zebos currently doesnt support this.	
1.3.6.1.2.1.168.1.9.1.4	4 ipMcastLocalListenerSourceAddress	Not-accessible	NA	NA	Zebos currently doesnt support this.	
1.3.6.1.2.1.168.1.9.1.5	5 IpMcastLocalListenerSourcePrefixLength	Not-accessible	NA	NA	Zebos currently doesnt support this.	
1.3.6.1.2.1.168.1.9.1.6	6 ipMcastLocalListenerIfIndex	Not-accessible	NA	NA	Zebos currently doesnt support this.	
1.3.6.1.2.1.168.1.9.1.7	7 ipMcastLocalListenerRunIndex	Read-only	NO	NO	Zebos currently doesnt support this.	
1.3.6.1.2.1.168.1.10	ipM	castZoneTable				
1.3.6.1.2.1.168.1.10.1	1 ipMcastZoneEntry	Not-accessible	NA	NA	Zebos currently doesnt support this.	
1.3.6.1.2.1.168.1.10.1.1	1 ipMcastZoneIndex	Not-accessible	NA	NA	Zebos currently doesnt support this.	
1.3.6.1.2.1.168.1.10.1.2	2 ipMcastZoneScopeDefaultZoneIndex	Read-only	NO	NO	Zebos currently doesnt support this.	
1.3.6.1.2.1.168.1.10.1.3	3 ipMcastZoneScopeAddressType	Read-only	NO	NO	Zebos currently doesnt support this.	
1.3.6.1.2.1.168.1.10.1.4	4 ipMcastZoneScopeAddress	Read-only	NO	NO	Zebos currently doesnt support this.	
1.3.6.1.2.1.168.1.10.1.5	5 ipMcastZoneScopeAddressPrefixLength	Read-only	NO	NO	Zebos currently doesnt support this.	
1.3.6.1.2.1.168.1.11.0	1 ipMcastDeviceConfigStorageType	Read-create	YES	NO	The storage type used for the global IP multicast	Snmp-set is not supported.
	[·				configuration of this device, comprised of the objects	
				1	Listed below. If this storage type takes the value	
					'permanent', write-access to the listed objects need not be	
					Allowed. Snmp-set is not supported.	