

How to setup IMPB on DES-3028_52 via SNMP

```
snmpset -v 2c -c private 10.90.90.90 1.3.6.1.4.1.171.12.23.4.1.1.2.10.10.65.54 x
000000000001 1.3.6.1.4.1.171.12.23.4.1.1.3.10.10.65.54 i 4
1.3.6.1.4.1.171.12.23.4.1.1.4.10.10.65.54 x 00FF000000000000
```

IP Address	MAC Address	Mode	Ports	Status
10.10.65.54	00-00-00-00-00-01	arp	9-16	Active

Total Entries : 1

The screenshot shows the MIB browser with the tree view on the left and the object details on the right. The tree view shows the hierarchy: swIpMacBindingTable > swIpMacBindingEntry > swIpMacBindingIpIndex, swIpMacBindingMac, swIpMacBindingStatus, swIpMacBindingPorts, swIpMacBindingAction, swIpMacBindingMode. The right pane shows details for swIpMacBindingTable.

Object name	swIpMacBindingTable
Object ID	1.3.6.1.4.1.171.12.23.4.1
Module	IP-MAC-BIND-MIB
Base syntax	Sequence Of swIpMacBindingEntry
Access	Not_Accessible
Status	Current
Sequence	1:swIpMacBindingIpIndex - IP Address 2:swIpMacBindingMac - Octet String 3:swIpMacBindingStatus - Integer 4:swIpMacBindingPorts - Octet String 5:swIpMacBindingAction - Integer 6:swIpMacBindingMode - Integer
Parent node	swIpMacBindingMgmt
First child	swIpMacBindingEntry
Description	This table specifies IP-MAC binding information.

The screenshot shows the MIB browser with the tree view on the left and the object details on the right. The tree view shows the hierarchy: swIpMacBindingTable > swIpMacBindingEntry > swIpMacBindingIpIndex. The right pane shows details for swIpMacBindingIpIndex.

Object name	swIpMacBindingIpIndex
Object ID	1.3.6.1.4.1.171.12.23.4.1.1.1
Module	IP-MAC-BIND-MIB
Base syntax	IP Address
Composed syntax	IpAddress
Access	Read-Only
Status	Current
Parent node	swIpMacBindingEntry
First child	None
Description	The IP address of IP-MAC binding.

The screenshot shows the MIB browser with the tree view on the left and the object details on the right. The tree view shows the hierarchy: swIpMacBindingTable > swIpMacBindingEntry > swIpMacBindingMac. The right pane shows details for swIpMacBindingMac.

Object name	swIpMacBindingMac
Object ID	1.3.6.1.4.1.171.12.23.4.1.1.2
Module	IP-MAC-BIND-MIB
Base syntax	Octet String
Composed syntax	MacAddress
Access	Read-Create
Status	Current
Value list	1 : 6:6
Parent node	swIpMacBindingEntry
First child	None
Description	The MAC address of IP-MAC binding.

<ul style="list-style-type: none"> swlpMacBindingTable <ul style="list-style-type: none"> swlpMacBindingEntry <ul style="list-style-type: none"> swlpMacBindingIpIndex swlpMacBindingMac swlpMacBindingStatus swlpMacBindingPorts swlpMacBindingAction swlpMacBindingMode swlpMacBindingBlockedTable <ul style="list-style-type: none"> swlpMacBindingBlockedEntry <ul style="list-style-type: none"> swlpMacBindingBlockedVid swlpMacBindingBlockedMac swlpMacBindingBlockedVlanName swlpMacBindingBlockedPort swlpMacBindingBlockedType swlpMacBindingBlockedTime swlpMacBindingBlockedStatus swlpMacBindingDHCP SnoopTable 	Object name swIpMacBindingStatus Object ID 1.3.6.1.4.1.171.12.23.4.1.1.3 Module IP-MAC-BIND-MIB Base syntax Integer Composed syntax RowStatus Access Read-Create Status Current Value list 1 : active(1) 2 : notInService(2) 3 : notReady(3) 4 : createAndGo(4) 5 : createAndWait(5) 6 : destroy(6)
	Parent node swIpMacBindingEntry First child None Description The status of this entry.

<ul style="list-style-type: none"> swlpMacBindingTable <ul style="list-style-type: none"> swlpMacBindingEntry <ul style="list-style-type: none"> swlpMacBindingIpIndex swlpMacBindingMac swlpMacBindingStatus swlpMacBindingPorts swlpMacBindingAction swlpMacBindingMode swlpMacBindingBlockedTable <ul style="list-style-type: none"> swlpMacBindingBlockedEntry <ul style="list-style-type: none"> swlpMacBindingBlockedVid swlpMacBindingBlockedMac swlpMacBindingBlockedVlanName swlpMacBindingBlockedPort 	Object name swIpMacBindingPorts Object ID 1.3.6.1.4.1.171.12.23.4.1.1.4 Module IP-MAC-BIND-MIB Base syntax OctetString Composed syntax PortList Access Read-Create Status Current Value list 1 : 0..127
	Parent node swIpMacBindingEntry First child None Description The port members of this entry.

<ul style="list-style-type: none"> swlpMacBindingTable <ul style="list-style-type: none"> swlpMacBindingEntry <ul style="list-style-type: none"> swlpMacBindingIpIndex swlpMacBindingMac swlpMacBindingStatus swlpMacBindingPorts swlpMacBindingAction swlpMacBindingMode swlpMacBindingBlockedTable <ul style="list-style-type: none"> swlpMacBindingBlockedEntry <ul style="list-style-type: none"> swlpMacBindingBlockedVid swlpMacBindingBlockedMac swlpMacBindingBlockedVlanName swlpMacBindingBlockedPort 	Object name swIpMacBindingAction Object ID 1.3.6.1.4.1.171.12.23.4.1.1.5 Module IP-MAC-BIND-MIB Base syntax Integer Composed syntax INTEGER Access Read-Only Status Current Value list 1 : inactive(1) 2 : active(2)
	Parent node swIpMacBindingEntry First child None Description The action of this entry.

<ul style="list-style-type: none"> swlpMacBindingTable <ul style="list-style-type: none"> swlpMacBindingEntry <ul style="list-style-type: none"> swlpMacBindingIndex swlpMacBindingMac swlpMacBindingStatus swlpMacBindingPorts swlpMacBindingAction <li style="background-color: #e0e0e0;">swlpMacBindingMode swlpMacBindingBlockedTable <ul style="list-style-type: none"> swlpMacBindingBlockedEntry <ul style="list-style-type: none"> swlpMacBindingBlockedVID swlpMacBindingBlockedMac swlpMacBindingBlockedVlanName swlpMacBindingBlockedPort swlpMacBindingBlockedType swlpMacBindingBlockedTime swlpMacBindingBlockedStatus swlpMacBindingDHCP SnoopingTable <ul style="list-style-type: none"> swlpMacBindingDHCP SnoopingEntry <ul style="list-style-type: none"> swlpMacBindingDHCP SnoopingIndex swlpMacBindingDHCP SnoopingMac swlpMacBindingDHCP SnoopingLeaseTime swlpMacBindingDHCP SnoopingPort swlpMacBindingDHCP SnoopingStatus 	<table border="0"> <tr><td>Object name</td><td>swIpMacBindingMode</td></tr> <tr><td>Object ID</td><td>1.3.6.1.4.1.171.12.23.4.1.1.6</td></tr> <tr><td>Module</td><td>IP-MAC-BIND-MIB</td></tr> <tr><td colspan="2"> </td></tr> <tr><td>Base syntax</td><td>Integer</td></tr> <tr><td>Composed syntax</td><td>INTEGER</td></tr> <tr><td>Access</td><td>Read-Create</td></tr> <tr><td>Status</td><td>Current</td></tr> <tr><td>Value list</td><td>1 : arp(1) 2 : auto(3)</td></tr> <tr><td colspan="2"> </td></tr> <tr><td>Parent node</td><td>swIpMacBindingEntry</td></tr> <tr><td>First child</td><td>None</td></tr> <tr><td>Description</td><td>The mode of this entry. arp: This entry is specified as an ARP mode entry, and this entry will not be added as an access entries. If this object is not specified, the mode defaults to ARP mode. If the system is in ARP mode, the ARP mode entries and ACL mode entries will be effective. If the system is in ACL mode, only the ACL mode entries will be active. auto: This mode cannot be configured, and when the auto mode is employed, it means this entry is to be learned by DHCP snooping.</td></tr> </table>	Object name	swIpMacBindingMode	Object ID	1.3.6.1.4.1.171.12.23.4.1.1.6	Module	IP-MAC-BIND-MIB			Base syntax	Integer	Composed syntax	INTEGER	Access	Read-Create	Status	Current	Value list	1 : arp(1) 2 : auto(3)			Parent node	swIpMacBindingEntry	First child	None	Description	The mode of this entry. arp: This entry is specified as an ARP mode entry, and this entry will not be added as an access entries. If this object is not specified, the mode defaults to ARP mode. If the system is in ARP mode, the ARP mode entries and ACL mode entries will be effective. If the system is in ACL mode, only the ACL mode entries will be active. auto: This mode cannot be configured, and when the auto mode is employed, it means this entry is to be learned by DHCP snooping.
Object name	swIpMacBindingMode																										
Object ID	1.3.6.1.4.1.171.12.23.4.1.1.6																										
Module	IP-MAC-BIND-MIB																										
Base syntax	Integer																										
Composed syntax	INTEGER																										
Access	Read-Create																										
Status	Current																										
Value list	1 : arp(1) 2 : auto(3)																										
Parent node	swIpMacBindingEntry																										
First child	None																										
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