

FAQ Maxwell - Network - LAN

Introduction

Open the web-interface of the Maxwell 3 / Basic and go to: **Settings - Network - LAN**

Valid for Maxwell
Gigaset
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The screenshot displays the web interface for configuring LAN settings. On the left is a dark sidebar with a 'SETTINGS' menu (gear icon) and a 'STATUS' menu (hamburger icon). Under 'SETTINGS', the 'Network' category is expanded, showing sub-items: IP, LAN (highlighted in orange), Telephony, Online Directories, Online Services, Desk Phone, Web Configurator, and System. The main content area is divided into sections: 'HTTP Proxy' with 'Enable Proxy server' (Yes/No toggle), 'Proxy server address' (text input), and 'Proxy server port' (input with value 0); 'VLAN' with 'VLAN Tagging' (dropdown set to 'LAN and PC'), 'VLAN Identifier (LAN)' (input with value 1), 'VLAN Priority (LAN)' (dropdown with value 6), 'VLAN Identifier (PC)' (input with value 2), and 'VLAN Priority (PC)' (dropdown with value 6); 'Quality of Service (QoS)' with 'SIP ToS/DiffServ' (input with value 34) and 'RTP ToS/DiffServ' (input with value 46); and 'Link Layer Discovery Protocol (LLDP)' with 'Enable LLDP' (Yes/No toggle) and 'Packet Interval' (input with value 60). A 'Gigaset' logo and a user profile icon are visible in the top right corner of the interface.

Settings

Parameter	Description
HTTP Proxy	
Enable Proxy server	Select if you want to enable a separate HTTP proxy server in the network for your phone.
Proxy server address	If Yes , enter the IP address for the HTTP proxy server
Proxy server port	The default setting for the Proxy server port is 0. Change this to match the proxy server in your network.
VLAN	
	<p>A local network can be divided into logical sub-networks, so-called VLANs (Virtual Local Area Network, standard IEEE 802.1Q). Multiple VLANs share a physical network and its components, e.g., switches. Data packets of a VLAN are not forwarded to another VLAN. VLANs are often used to separate the data traffic of different services (Internet telephony, Internet TV, ...) and to define different priorities for the data traffic.</p> <p>If you are operating your phone in a VLAN, enter the identifier of your VLAN (VLAN tag) here. You get this from your network administrator.</p> <p>Data packets from VLANs can be prioritised. The priority determines whether the data traffic from a VLAN is given preferential treatment by the network components. You can define the priority for voice and data separately. In the case of a local network with a lot of data traffic, you can achieve better-quality phone connections by giving a high priority to voice data.</p> <p>On the menus Voice VLAN Priority and Data VLAN Priority, select the priorities you want for the transfer of voice and data.</p> <p>Range of values and their Class of Service assignments (according to IEEE 802.1p):</p> <ul style="list-style-type: none">0 No priority (Best Effort)1 Background services, e.g., News Ticker (Background)2 Not defined3 General data services (Excellent Effort)4 Control services, e.g., routing (Controlled Load)5 Video6 Voice data (Voice)7 Top priority for network control software (Network Control)
Quality of Service (QoS)	
	<p>The voice quality depends on the priority of the voice data in the IP network. Prioritising the VoIP data packets is done using the QoS protocol DiffServ (Differentiated Services). DiffServ defines a number of classes for the quality of service and, within these classes, various priority levels for which specific prioritisation procedures are defined.</p> <p>You can specify different QoS values for SIP and RTP packets. SIP packets (Session Initiation Protocol) contain the signalling data, while RTP (Real-time Transport Protocol) is used for the voice transfer.</p> <p>Enter your chosen QoS values in the SIP ToS/Diffserv (0..63) and RTP ToS/Diffserv (0..63) fields. Value range: 0 - 63.</p> <p>Common values for VoIP (default setting):</p> <ul style="list-style-type: none">• SIP 40 Highest service class for fast switching of the data flow (Expedited Flow)• RTP 46 Highest service class for fast forwarding of data packets (Expedited Forwarding)
LLDP	
	See this wiki Article FAQ Maxwell - LLDP-MED

Auto provisioning

Parameter	Description
NET.HTTP.ProxyServer.Active	0 = Enable proxy server No (Default) 1 = Enable proxy server Yes
NET.HTTP.ProxyServer.Address	
NET.HTTP.ProxyServer.Port	0 (Default) - 65535
NET.VLAN.Tagging	0 (Default) = off 1 = LAN 2 = LAN + PC
NET.VLAN.LAN.Identifier	
NET.VLAN.LAN.Priority	0 - 7
NET.VLAN.PC.Identifier	
NET.VLAN.PC.Priority	0 - 7
NET.QoS.RTP.DSCP	0 - 64: 46 (Default)
NET.QoS.SIP.DSCP	0 - 64: 34 (Default)
NET.LLDP.Active	0 = Disabled 1 = Enabled (Default)
NET.LLDP.PacketInterval	1 - 3600: 60 (Default)