

Avaya IP Office > Patton MATA



This guide will assist you in setting up an MATA from Patton Electronics with an Avaya IP Office.

The Patton MATA is a single port FXS device used when you want to integrate an FXS endpoint like an analogue phone, bell or ringer with a SIP based phone system.

Avaya do offer Analogue cards which could do this job also but the MATA is a nice cost effective option if you have the requirement for a single extension.

Configuration

Avaya IP Office Local IP: 192.168.1.100

Local Subnet: 255.255.255.0

Extension number: 501

Patton MATA: 192.168.1.15

Firstly we will go through the configuration required on the Avaya system.

Some considerations in regards to the network are required on the Avaya before configuring anything else. Make sure you check and that you have configured the correct LAN settings.

System	LAN1	LAN2	DNS	Voicemail	Telephony	Directory Services	System	
LAN Settings		VoIP	Network Topology					
IP Address	192 . 168 . 1 . 100							
IP Mask	255 . 255 . 255 . 0							
Number Of DHCP IP Addresses	154							
DHCP Mode		<input type="radio"/> Server <input type="radio"/> Client <input checked="" type="radio"/> Disabled						Advanced

Next under your network configure LAN > VoIP settings ensure you have ticked “Auto-create Ext/User” this will save time later.

A SIP extension is required on the Avaya for the MATA to register to, you can create a user first which will also create an attached extension automatically.

The screenshot shows the Patton VoIP configuration page. The 'Auto-create Extn/User' checkbox is highlighted with a red box. Other visible options include H323 Gatekeeper Enable, Auto-create Extn, Auto-create User, H323 Remote Call Sig, SIP Trunks Enable, and SIP Registrar Enable. A Domain Name field and a UDP Port field (set to 5060) are also visible.

Create your user and take into account the credentials, an extension number must also be configured; this is the number which will relate to the extension that is auto-created.

The screenshot shows the Patton User configuration page. Fields include Name (501), Password (masked), Confirm Password (masked), Conference PIN, Confirm Conference PIN, Account Status (Enabled), Full Name (Patton_FXS), Extension (501), Email Address, Locale, Priority (5), System Phone Rights (None), and Profile (Basic User).

Next go to the Extensions setting –and find the Extension you just created via the user page, simply take note of the base extension number configured above (Not Extension ID).

Extension Id	<input type="text" value="11200"/>
Base Extension	<input type="text" value="501"/>
Caller Display Type	<input type="text" value="On"/>
Reset Volume After Calls	<input type="checkbox"/>
Device Type	 <input type="text" value="Patton M-ATA SIP"/>
Location	<input type="text" value="Automatic"/>
Module	<input type="text" value="0"/>
Port	<input type="text" value="0"/>
Force Authorisation	<input type="checkbox"/>

Under the Extension > VoIP tab configure:

IP Address – This will be the same IP as the Patton MATA (In this case 192.168.1.15)

Extn		VoIP	
IP Address	<input type="text" value="192 . 168 . 1 . 15"/>		
Codec Selection	<input type="text" value="System Default"/>		
	Unused	>>>	Selected
	<input type="text"/>	↑	G.711 ULAW 64K G.711 ALAW 64K G.729(a) 8K CS-ACELP
		<<<	
		↓	
		>>>	
Reserve License	<input type="text" value="Reserve 3rd party IP endpoint licence"/>		
Fax Transport Support	<input type="text" value="None"/>		
DTMF Support	<input type="text" value="RFC2833/RFC4733"/>		
3rd Party Auto Answer	<input type="text" value="None"/>		
Media Security	<input type="text" value="Same as System (Disabled)"/>		

You will also need to allocate one of your 3rd Party IP endpoint licences to this extension.

Save your settings on the Avaya and then go to the MATA for the configuration it should pick up DHCP by default but it is recommended to use a static IP (the default login is root).

Go to SIP and configure:

SIP Server Registration address: Local IP of Avaya IP Office.

SIP Port: 5060 (normal SIP port).

SIP Domain: Avaya IP office (as above).

SIP Configuration

SIP Server Settings (Current Server: 192.168.1.100 : 5060 ; Domain: 192.168.1.100; Base RTP Port:)

* SIP Registration Server Address: (IP or FQDN)

SIP Port:

SIP Domain:

Voice Port:

* Leaving a setting blank will force the unit to use the information obtained via DHCP and/or DNS

Send Registration Request with Expire Time:

Send Unregistration at boot

Send SUBSCRIBE.

SUBSCRIBE Server IP or FQDN(defaults to registration server):

Next in the MATA go to the "Phone 1" page and here you need to configure:

User Information

Phone Number	<input type="text" value="501"/>	CallerID Name	<input type="text" value="Patton_MATA"/>
User Name	<input type="text" value="501"/>	Password	<input type="password" value="...."/>
Port	<input type="text" value="5060"/>	SIP Registration status	Registered

Phone number: Avaya IP Office Base Extension number.

Username: As above.

Password: Taken from the User Password of the IP Office.

For the settings to save you must hit "reload & Reset and execute Main Application".

Registration Status	Registered
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You should now see under the Phone Line Status that the Phone is registered, you can further test this by making calls between your FXS Phone and Avaya Handset.

Please contact EFL Sales or Support for further information about any of our product range or visit : <https://www.electronicfrontier.co.uk/>.



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