

Analogue Telephone Adapter (ATA) - Overview

You can connect traditional analogue telephones and similar customer-premise devices such as fax machines, to the Optus Loop application using an **analogue telephone adapter (ATA)** which acts as an interface enabling you to transmit voice and multi-media over the Internet.

The AudioCodes MP-202 analogue telephone adapter enables cost-effective and rapid migration of legacy analogue telephones, fax machines and conference speakerphones to the Optus Loop application with an enhanced feature set that includes support for multiple lines, DECT telephony and optional 3G/4G mobile broadband access.

Business telephony call handling features are managed on the analogue handset by dialling Feature Access Codes (FAC) or using the telephone set hook-switch or “flash” button function for mid-call feature management.

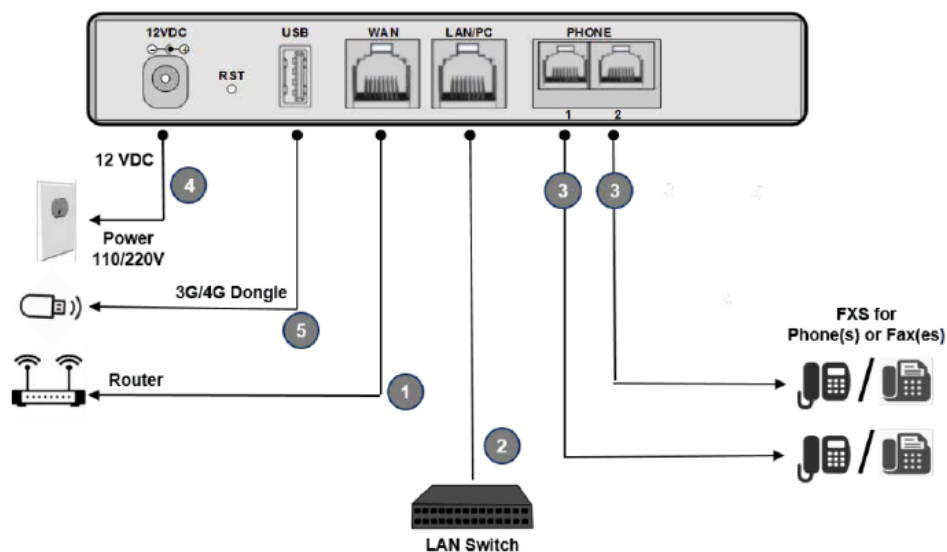
Refer to the Appendix for a table of Feature Access codes (FAC) available for use on Analogue handsets.

Below is an example of the ATA-MP 202 model which supports 2 x analogue line interfaces.

Audio Code MP202



Audio Code MP202 Rear View



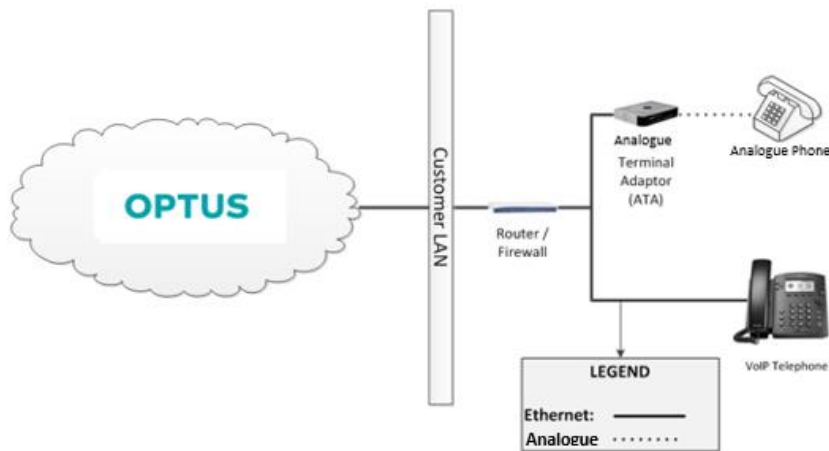


Figure 1 shows an analogue telephone directly connected to an Optus Loop approved ATA.

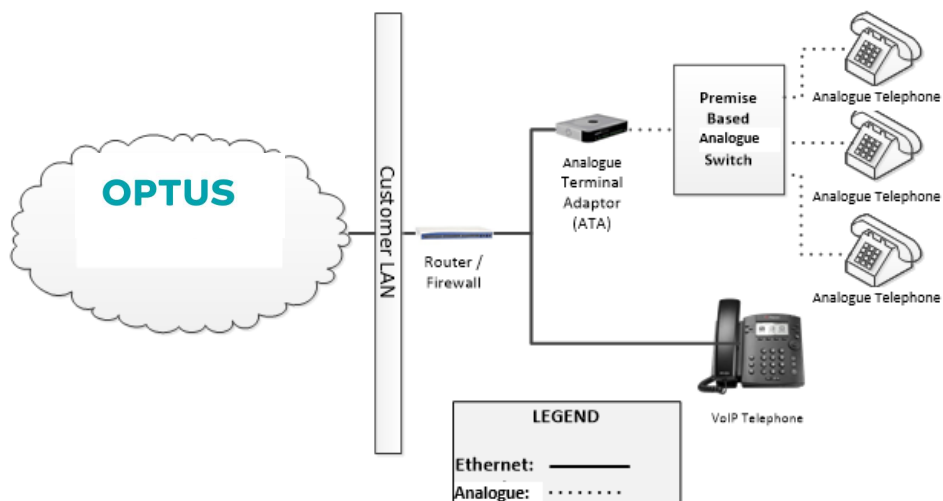


Figure 2 shows analogue telephones connected to premise based switching system PABX connected to an Optus Loop approved ATA.

Note: Features available to each handset in this scenario are a function of the PABX and not the Optus Loop solution.

Feature Overview by User Type

User Types are assigned to each line configured on the analogue telephone adaptor (ATA) which can then be connected to an analogue device. These determine the set of features and the Site and Premium features that are available or assigned to that analogue telephone and site.

- PABX Site: Premium, Plus and/or Basic User

Table 1 below identifies the set of features that are available for each user and what is fully, partially or not supported on analogue phones.

Y = feature fully supported; P = feature partially supported; N = feature not supported; "-" = not applicable

Features	Optus Loop Users			
	Premium User	Plus User	Basic User	Messaging User
Alt. Numbers w/ Distinctive Ring	P	-	-	-
Anonymous Call Rejection	Y	Y	-	-
Barge-In Exempt	Y	-	-	-
Business Continuity (CFNR)	Y	Y	Y	-
Busy Lamp Monitoring	N	-	-	-
Call Forwarding Always/Busy/No Answer	Y	Y	Y	-
Call Forwarding Selective	Y	-	-	-
Call History	Y	Y	Y	-
Call Hold & Resume	Y	Y	Y	-
Call Logs w/ Click to Dial	Y	Y	Y	-
Call Redial	Y	Y	Y	Y
Call Return	Y	Y	-	-
Call Transfer (Attended & Blind)	Y	Y	Y	-
Call Waiting for up to 4 Calls	P	P	P	P
Call Waiting ID	Y	Y	Y	Y
Directed Call Pickup	Y	-	-	-
Directed Call Pickup with Barge In	Y	-	-	-
Do Not Disturb	Y	Y	-	-
Extension Dialing, Variable Length	Y	Y	Y	Y
Feature Access Codes	Y	Y	Y	Y
Inbound Caller ID (Name & Number)	Y	Y	Y	Y
Main Number Outbound Caller ID	Y	Y	Y	-
Mobility	Y	-	-	-
N-Way Calling (6)	P	-	-	-
Office Anywhere	Y	-	-	-
Outbound Caller ID Blocking	Y	Y	Y	-
Privacy	Y	-	-	-
Push-to-talk	P	-	-	-
Remote Office	Y	-	-	-
Selective Call Acceptance/Rejection	Y	-	-	-
Series Completion	-	-	-	-
Shared Call Appearance (35)	N	-	-	-
Simultaneous Ring	Y	-	-	-
Speed Dial	Y	Y	Y	-
Three-Way Calling	Y	Y	Y	-
Unified Messaging	Y	Y	-	Y
User Web Portal	Y	Y	-	Y
Visual Voicemail	Y	Y	-	Y
Voice Mail	Y	Y	-	Y

Table 1: Feature Overview by User Type

Site / Premium Feature Overview

Table 2 below identifies the set of Site and Premium Features that are available for each user type and what is fully, partially or not supported on analogue phones.

Y = feature fully supported; P = feature partially supported; N = feature not supported; “-” = not applicable

Feature	Works on Analogue User
Authentication	-
Auto Attendant	Y
Optus Loop Desktop Client	Y
Optus Loop Mobile Client	Y
Call Center Agent	Y
Call Center Supervisor	Y
Call Park / Retrieve	Y
Call Queue	Y
Enhanced Outgoing Calling Plan	Y
External Calling Line ID Delivery	P
Internal Calling Line ID Delivery	P
Group Call Park / Pickup	Y
Group Page	P
Hunt Group	Y
Intercept Group	Y
Intercept User	Y
Meet-me Bridge	Y
Music on Hold	Y
Office Anywhere Portal	Y
Receptionist Client	Y
Site Admin Portal	Y
VLAN Tagging Support	Y
Voice Portal	Y

Table 2: Site / Premium Feature list

Appendix: Feature Access Code Matrix

Feature Access Codes can be entered through the phone keypad to control the configuration of certain features. To use a Feature Access Code, off-hook the phone and enter the appropriate Feature Access Code (see below). For features that require additional input, follow the audible prompts to input the required additional information.

Feature/Service	Code
Call Forwarding Always Activation	*72
Call Forwarding Always Deactivation	*73
Call Forwarding Always To Voice Mail Activation	*21
Call Forwarding Always To Voice Mail Deactivation	*24
Call Forwarding Busy Activation	*90
Call Forwarding Busy Deactivation	*91
Call Forwarding Busy To Voice Mail Activation	*40
Call Forwarding Busy To Voice Mail Deactivation	*42
Call Forwarding No Answer Activation	*92
Call Forwarding No Answer Deactivation	*93
Call Forwarding No Answer To Voice Mail Activation	*41
Call Forwarding No Answer To Voice Mail Deactivation	*45
Call Forwarding Not Reachable Activation	*94
Call Forwarding Not Reachable Deactivation	*95
Caller ID Delivery Blocking per Call	*67
Caller ID Delivery Blocking Persistent Activation	*31
Caller ID Delivery Blocking Persistent Deactivation	*32
Caller ID Delivery per Call	*65
Call Park	*68
Call Retrieve	*88
Cancel Call Waiting	*70
Clear Voice Message Waiting Indicator	*99
Direct Voice Mail Transfer	*55
Directed Call Pickup	*97
Directed Call Pickup with Barge-In	*33
Do Not Disturb Activation	*78
Do Not Disturb Deactivation	*79
Group Call Park	*58
Group Call Pickup	*98
Last Call Return	*69
Last Number Redial	*66
Music On Hold Per-Call Deactivation	*60
Push to Talk	*50

Note: Feature Access Codes (FAC) provide an alternate method of managing features that are also controllable through Optus Loop Customer Admin and user dashboards. Both methods control the same features, so changes made using Feature Access Codes will be reflected on the dashboard, and vice versa.

Note: Analogue telephone sets may differ significantly in functionality across manufacturers and models. Feature capabilities available at the analogue telephone set may vary.