



Wave IP 2500™

# FEATURE COMPARISON GUIDE



- Digital Endpoints
- 480i SIP Endpoint
- 9112 SIP Endpoint
- 9133 SIP Endpoint

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## Introduction

This document identifies the major differences between Digital and SIP Endpoints on the Wave IP 2500 platform. The feature comparison is in the form of a Feature Matrix where a check mark (✓) means the feature is available and a hyphen ( - ) means the feature is not present for the respective system.

## Executive Summary

The introduction of the Wave IP 2500 platform offers the feature and functionality of the digital endpoint feature set traditionally only available on the Vertical Comdial platform coupled with a new SIP feature set driven by the Vertical Aastra endpoint family.

Inherent with SIP technology there is a difference in features available on SIP endpoints vs. those available on digital endpoints. This document offers a matrix of which features are currently available across both endpoint families.

## Feature Matrix

Station Feature	Description	Digital Endpoints	SIP 480i	SIP 9112	SIP 9133
Auto Configuration	Allows the user to select an extension number from the phone for a phone that has configured, but not assigned a slot/port address.	✓	✓	✓	✓
Auto Dial (Speed Dial)	Auto Dial allows user to dial frequently used telephone numbers with one button. User can also use Auto Dial keys to dial digits while a call is connected.	✓	✓	✓	✓
Automatic Set Relocation	Allows user to move phone and accept the settings at the new location or retain existing settings.	✓	-	-	-
Block Call Waiting	Call Waiting is blocked for the duration of the current call. If a Call Waiting feature key is configured, pressing the Call Waiting key with NP incoming Call Waiting, call will activate the Block Call Waiting feature.	✓	-	-	-
Both Button	Conferences current party with last party placed on hold.	✓	Conf Key	Conf Key	Conf Key
Busy Forwarded Call	Places a call to the selected destination with an indicator that a previous destination is busy. Typically used to blind transfer a call to another party's mailbox. To create a feature key, the key is configured as an optioned transfer key with the voicemail pilot number as the destination number. The user then presses the optioned transfer key and enters the digits for the desired voicemail box.	✓	-	-	-
Button Query	Allows user to display the function of programmable buttons on LCD phones.	✓	-	-	-
Call Forward (including CFOS)	Enables / disables user forward. Key may be configured to set forwarding to a predetermined target (on or off-site).	✓	Feature Code	Feature Code	Feature Code
Call History	Call history of incoming, outgoing, and missed calls. <ul style="list-style-type: none"> <li>• Last 10 outgoing calls</li> <li>• Last 10 incoming calls</li> <li>• Last 10 missed calls</li> </ul>	✓	Outbound Only	Outbound Only	Outbound Only
Call Park (Self and System)	<i>Self</i> - Allows a user to park a call on the active extension or appearance. Pressing the key without an active call allows the user to either enter the extension number where the call was originally parked or '#' to retrieve the call. <i>System</i> - Allows a user to park a call in one of the ten parking slots. Pressing the key without an active call allows the user to enter the parking slot # to retrieve a previously parked call.	✓	✓	✓	✓

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Call Pickup	Call Pickup allows user to answer inbound calls on other extensions. User can pick up a call on any extension within their call pickup group. If the line key used to pick up a call is not part of a call pickup group, user can pick up other calls on lines that do not belong to a call pickup group. There are two types of Call Pickup: Extension Pickup and Group Pickup. Extension Pickup allows user to answer any ringing primary or secondary line in the call pickup group. (see Group Pickup)	✓	Feature Code	Feature Code	Feature Code
Call Record	Allows the user to silently record the current conversation. The conversation is stored in a previously configured mailbox.	✓	-	-	-
Call Return	Calls the number of the last incoming call on the selected extension if caller ID was provided.	✓	Feature Code	Feature Code	Feature Code
Call Waiting	Allows the primary extension to answer a second incoming call on the same extension.	✓	✓	-	✓
Camp-on (Callback)	Used to enable and disable camp-on. Also for camp-on transfer.	✓	-	-	-
Centrex Flash	Used to access Centrex features. Wave will initiate a flash on the connected Centrex trunk.	✓	-	-	-
Conference	Used to access the conference feature. Pressing the Conference key puts the current call on soft-hold (consultation hold) and allows a second call to be established. Pressing the Conference key a second time will join the two calls together in a single conference. Wave supports both ad hoc and "meet me" conferencing.	✓	✓	✓	✓
Dial By Name	Ability to make a call by using the keypad to enter a known name. Dial by Name works for both internal (Int) and external (Ext) names. Searches are done either Last Name, First Name or First Name, Last Name.	✓	-	-	-
Direct Mailbox Access	Press Message Waiting key to directly access voice mail.	✓	✓	✓	✓

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Direct Station Select/Busy Lamp Field (DSS/BLF)	Used to indicate the call status of an extension or appearance (Busy Lamp Field or BLF) and allows a call to be directly placed to a selected extension (Direct Station Select or DSS). The DSS/BLF LED does not indicate DND and forwarded conditions. The DSS/BLF key can have the following properties: <ul style="list-style-type: none"> <li>• Blind Transfer - the current call is automatically transferred to the targeted extension.</li> <li>• Consult Transfer - the call to be transferred is put on hold and a call is made to the target extension where a conversation may take place before the original call is transferred. This is the default option.</li> </ul>	✓	-	-	-
Direct Trunk Select	Test setting which allows a technician to place an outgoing call on a particular trunk.	✓	-	-	-
Directed Park	Allows a user to park a call on the selected extension. Pressing the key without an active call allows the user to enter the extension number where the call was originally parked to retrieve it.	✓	-	-	-
Do Not Disturb	Enables /disables Do not Disturb (DND) feature. When DND is enabled, the phone is removed from the list of ringable (audible ringing) targets. If there are NP ringable targets, the call follows the busy target rules. If there is any ringable target, then that phone will ring and those in DND (or configured to not ring) will have the LED and LCD set to the appropriate condition.	✓	✓	✓	✓
Enhanced Autodial	In addition to keypad digits, allows the autodial key to use stored FLASH and PAUSE commands in the dialing stream.	✓	-	-	-
Extension Pickup	Picks the designated ringing call within the configured pickup group. If an extension is not configured to be a member of a pickup group, the extension being picked must also not be configured to be a member of a pickup group.	✓	Feature Code	Feature Code	Feature Code
Flash	If phones do not have feature keys for Call Park, Call Waiting, Centrex Flash, Conference, or Transfer, a Flash key is required to use these features. The Call Park, Centrex Flash, and Conference features require user to enter a feature code after pressing Flash.	✓	✓	✓	✓
Follow Me Forward	Allows the user to forward one extension number to another extension number.	✓	-	-	-

Station Feature	Description	Digital Endpoints	SIP 480i	SIP 9112	SIP 9133
Group Intercom (Multiple Primary Extension Appearance)	Ability to configure a phone with the primary extension assigned to multiple feature keys. The user would then be able to manage multiple calls via an associated button. The number of simultaneous calls allowed is configurable and is independent of the number of feature keys configured. (for example, the phone has 5 MPE appearances and the extension is configured for 8 simultaneous calls. In this case, if the 5 MPE appearances are busy, the additional calls are queued on the extension.) A Queue feature key can be configured on the phone to tell the user the number of calls in queue.	✓	-	-	-
Group Pickup	Picks up any ringing call within the configured pickup group. The search for a ringing call is determined by the order of the extensions in the group and not by the time the call started to ring.	✓	✓	✓	✓
Hands Free	Answering of external calls when the headset is active. External calls may arrive at the phone via direct routing, call forwarding, or call transfer. Hands-free answering is controlled through a line appearance option and the Headset Feature key.	✓	✓	-	-
Headset	Key with status indicator for enabling or disabling the headset.	✓	✓	✓	✓
Hold	Places the current call on hold. The line is blocked from receiving additional calls in this state.	✓	✓	✓	✓
Hold Exclusive	Only the telephone placing the call on hold can retrieve it.	✓	-	-	-
Line Appearance (also includes multiple line appearances and shared line appearances)	The phone must have one primary line appearance for an extension. The phone may have up to 12 or 24 secondary line appearances depending on the number of programmable keys. An extension number may be associated with zero or one primary line appearance and any number of secondary line appearances. On a single phone, each extension number may only be associated with one line appearance.	✓	✓	-	✓
Listen/Pickup	The Listen feature allows you to screen calls by listening to an incoming message and determining if the call needs your immediate attention. If you wish to speak to the person leaving the message, you can cancel the recording and take the call.	✓	-	-	-

Station Feature	Description	Digital Endpoints	SIP 480i	SIP 9112	SIP 9133
Message (Message Waiting Indicator or MWI)	If the phone has a Message Waiting key, the red LED flashes when there are new voice mail messages. If you do not have a Message Waiting key, and there are new voice mail messages, you will hear a stutter tone when you select your primary line key.	✓	✓	✓	✓
Mute	Mute the audio. The mute function, if in an active state, becomes deactivated when the handset is lifted. This differs from current Comdial functionality.	✓	✓	✓	✓
Night Answer	Enables or disables night answer mode for the system.	✓	✓	✓	✓
Page	The Page feature can operate in one of two ways: the Page key gives the user access to the public address system and all the digital telephone speakers on the system, or the Page key pages a specific group of digital telephones.	✓	✓	✓	✓
Password Protection toggle	Allows user to turn on or off password protection when using the Menu options (saving Autodials, etc).	✓	-	-	-
Phone Recognition	Allows the user to move a phone from one location to another retaining the phone's configuration.	✓	-	-	-
Privacy	Marks calls as private. Privacy prevents any additional internal extension from breaking into the conversation.	✓	-	-	-
Programmable Feature Keys	Allows the user to change feature key assignments between a limited set of feature keys. (DSS/BLF)	✓	-	-	-
Reconnect	Drops the current call and reconnects to the held party.	✓	✓	Feature Code	Feature Code
Redial	Pressing this key will redial the last call made from this phone on the selected extension.	✓	✓	✓	✓
Release	Drops the current call and reconnects to the held party if one exists.	✓	✓	✓	✓
Restrict Button	Prior to placing a call, pressing this button will keep Caller ID from being broadcast.	✓	-	-	-
Saved Number Redial	The user can immediately save the number dialed or connected to on a Save/Repeat key. Pressing the key while idle will cause the number to be dialed. Pressing the key while editing an auto dial will allow the number to be saved as an auto dial.	✓	-	-	-

Station Feature	Description	Digital Endpoints	SIP 480i	SIP 9112	SIP 9133
Shift	Shifts the 12 or 24 programmable keys into auto dial keys. When the shift key is pressed, the phone will enter into the shift mode allowing the user to use the programmable keys as auto dial keys. If NP keys are pressed, the phone will automatically exit the shift mode after 5 seconds.	✓	-	-	-
Silent Monitor	Allows the user to silently monitor another conversation. The destination extension must be configured to allow it to be silently monitored. To monitor an internal call, the party connected to the destination extension must also be configured to allow silent monitoring. Calls to voice mail may not be silently monitored.	✓	-	-	-
Speaker Phone	Pressing the speaker key allows the user to use the phone in hands-free mode.	✓	✓	✓	✓
System Speed Dial	System Speed Dial allows the user to dial frequently used telephone numbers by entering speed dial index numbers. System Speed Dial can also give the user dialing privileges for specific telephone numbers that they might not normally have on their telephone. Depending on the telephone set-up, System Speed Dial may work in one of two ways: regular System Speed Dial or System Speed Dial with Dialing Preview.	✓	✓	✓	✓
Tap	Allows the user to place the connected call on soft hold and get dial tone. Once dial tone is received, the user may make a call or access a feature. Additional features: While dialing, pressing this key once will erase the last dialed digit and pressing twice (within 500 ms) will clear the dialed digits. If no Call Waiting key is configured, this key can be used to answer a waiting call.	✓	-	-	-
Toggle	Places the current call on hold and reconnects to the held call.	✓	✓	Feature Code	Feature Code
Transfer (Blind, Consultative)	Used to control the transfer feature. Pressing the Transfer key puts the current call on hold and allows a second call to be established. Pressing the Transfer key a second time will transfer the call to the held party.	✓	✓	✓	✓
Transfer to Voice Mail	Transfer to Voice Mail allows the user to transfer a party directly to a voice mailbox, without ringing the destination telephone.	✓	✓	✓	✓



Station Feature	Description	Digital Endpoints	SIP 480i	SIP 9112	SIP 9133
Voice mail displayed on LCD for menu (Voice mail Visual Features)	When idle, the LCD displays the number of new calls in voice mail. When using voicemail, the softkeys are mapped to keypad functions. For example, a softkey is labeled "DELETE". Pressing this softkey is the same as pressing the keypad "7".	✓	-	-	-
Volume Reset Override	When the user hangs up, the phone will reset the volume on the handset and headset to a safe level. This feature allows the user to override the handset and headset volume reset. When the user goes offhook, the handset and headset levels will be at their previous setting.	✓	-	-	-
Zone Page	Enables a page to only those extensions within the particular zone page group. Zones are number 01-32. A page to zone 00 is the same as a system page.	✓	-	-	-



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