

ADIX APS System Features

This section explains some of the major system features in your ADIX APS system.

911 Support

At default, ADIX APS is programmed to automatically contact your local Public Safety Answering Point (PSAP) when 911 is dialed. In addition, ADIX APS is one of the only systems that supports Enhanced 911 Service. Enhanced 911 Service ensures that when 911 is dialed from a system extension, information that allows the PSAP to identify the caller's location in a building is sent to the PSAP along with the call. Check with your system installer or Authorized Iwatsu Distributor to make sure your system is programmed for Enhanced 911 Service.

Abandoned / All Call Storage

Allows you to display the telephone number and ID for a call on a caller ID, ANI or DNIS line from an ADIX APS IX-12IPKTD IP Telephone and the IX-12KTD-3 (or IX-12KTD-2) Digital Display Key Telephone. Information on up to 500 calls may be stored in system memory.

Absence Message Display

Allows you to leave an advisory message for a display telephone caller if you should leave your office. Four messages are available:

- Return at (time)
- Return on (date)
- Meeting at (time)
- Call (number)

This feature only works with a Multipurpose key programmed for Absence Message.

ACD Call Queue Display

Displays the number of calls currently in the ACD queue. For additional information regarding ADIX ACD, see Chapter 7 ADIX ACD Call Center Interaction on page 105.

Account Code

Allows you to enter a 1 - 12 code to either identify the caller or identify the called party. These codes are printed out with the SMDR information. Account code entry may be done before the party answers, during a conversation or after the other party hangs up.

Attendant Features

Up to eight ADIX APS extensions may be designated as attendant positions. An attendant position may consist of either the IX-ATT Attendant Console or an IX-12KTD-3 (or IX-12KTD-2) Digital Telephone configured with IX-DSS-3 / IX-DSS-A-2 DSS Units, or a stand-alone IX-12KTD-3 (or IX-12KTD-2) Digital Telephone.

In addition to system features ADIX APS provides the Attendant Position features listed below:

911 Call Indication

When a system extension dials 911, the extension number of the station calling 911 will be displayed on the LCD of the attendant station or if programmed, all extensions. If E911 Routing is not successful, a "FAIL" indication will be displayed on the LCD. The alarm tone will sound at the attendant position when LCD indication is made. In order to clear the display, the Attendant must press a [911 Display Clear] key programmed on the extension. The 911 Display Clear Key can clear the display of only the attendant positions or all telephones receiving 911 display indication.

Abandoned / All Call Clear

Allows you to delete all calls in system memory by pressing the call storage delete key and entering your station password.

Alarm Notification

Five primary alarm notifications relate to this feature: Major Alarm, Minor Alarm, Power Alarm, T1NET INIT Error and T1NET Disconnect. The alarm notifications are sent to all attendant telephones.

Alarm Clear

Allows you to clear the alarm indication(s) on the Attendant Console/Position.

All Attendants Call

Allows an ADIX APS station to simultaneously call all attendants.

Attendant Automatic Hold

Allows you to place the current conversation on Hold automatically by pressing the key representing a new call to be answered.

Attendant Override

Allows you to notify an extension user in Do Not Disturb that you wish to speak with them. The extension user is notified by tones through the speaker of a Digital Telephone and the ringing of a Single Line Telephone.

Automatic Answer Mode

The attendant position can direct outside lines to be automatically answered by a prerecorded message. Lines may be switched to automatic answer mode either manually by the attendant, or automatically at a certain time of day. When Automatic Answer Mode is activated manually, the attendant may toggle between two messages. Once Automatic Answer Mode is initiated, either manually or automatically, the attendant must manually switch the system to the normal mode.

Call Intercept

This programming option allows outside calls to be directed to ring at the Attendant Console if they go unanswered, if they are transferred to a non-existent extension or if they reach an extension in the Do No Disturb mode. These non-existent calls will light the lamp on the Recall key at the Attendant Console.

Call Swap

Allows you to alternate between the outside calling party (the source) and the requested extension user (the destination) during the process of transferring a call without having to use the Hold key. This feature will only work if the called party answers by picking up the receiver.

Clock Set/Adjustment

Allows you to change the time for the system clock.

Direct Station Selection

Allows you to have one-touch access to call extensions. There are 30 Direct Station Selection (DSS) keys on the Attendant Console and 50 on the DSS Unit.

Flexible Night Answer

Allows you to program individual outside lines or line groups to ring at different locations when the system is in the Night Mode.

Incoming Call Termination

Outside lines may be programmed to appear individually on Float keys or they may be grouped together to appear on one or several Float keys.

Message Waiting Control

Allows you to inform an extension user that there is a message waiting for them by lighting a Message Waiting Lamp on their telephone. This operation allows you to send a message without having the desired extension ring.

Night Mode

Allows you to change the ringing termination point for outside lines. This alternate point might be a loud bell, a telephone or a group of telephones. A programming option may be enabled to allow ADIX APS to automatically switch to the Night Mode at a certain time; however, you must manually switch the system back to the normal mode.

Operator Call

The attendant receives internal (ICM) calls on the Operator key. When the call is answered, the LCD displays the following information about the calling extension: Extension number, Extension ID and Toll Restriction Class.

Operator Priority

The system operator has the ability to override any ringing or voice announce intercom call or paging call. This occurs when calls are made simultaneously, or another party other than the operator makes the call first.

Overflow Transfer

Allows you to limit the number of calls waiting to be answered at the Attendant Console. Once the maximum number of calls is reached, all additional calls will automatically forward to another location.

Ring Muting

Allows you to turn the ringer off at the Attendant Console.

Serial Call

Allows you to have outside calls return to you after the extension the call was transferred to hangs up. This is very useful when an outside party wants to talk to more than one internal party.

Station Call Forward/Do Not Disturb Release

Allows you to cancel Call Forward and Do Not Disturb settings on other extensions in the system.

Station Class Restriction Change

ADIX APS may be programmed to allow different outside calling restrictions to be set based on Day and Night Mode system operation. Station Class Restriction Change allows you to instruct ADIX APS that an extension or group of extensions are always to operate in either the Day or Night Mode restriction pattern during Day Mode operation.

Station Forced Release

Allows you to remove an extension from service.

Station Lock

Allows you to prevent an extension from having access to outside lines.

System Announcement Recording

If your ADIX APS system is equipped with an IX-CMSG-1 card you may make customized recordings to be played to outside callers. The total recording time may be 330 seconds. Message number 01 is reserved for the System Announcement recording.

System Speed Dial Registration

You have the ability to register (program) the 900 System Speed Dial numbers. The numbers may be 32 digits in length and may include the insertion of a pause.

System Text Message Registration

You have the ability to register (program) the 90 System text messages. The messages may be 16 characters in length.

Through Dialing

Allows you to make an outside call for an extension that is toll restricted.

Trunk Access Control

Allows you to change the outside lines or line groups that extensions can access.

Trunk Forced Release

Allows you to remove an outside line from service.

Alphanumeric Display

ADIX APS Digital Key Display Telephones have a 2-line, 16-character alphanumeric LCD display that tilts for ease of viewing. The IP Telephones have a 4-line 16-character alphanumeric LCD display. The display will provide the following information:

Absence Messages	Feature Access Menu (IX-12IPKTD only)
Account Code Input	Camp-On
Call Duration Timer	Forwarding Extension Numbers
Callback CO/ICM	Message Waiting Identification
Called Party Identification	Real Time Clock
Called Party Status - BUSY/DND	Recall CO/ICM
Calling Party Identification	Reminder
Caller ID / ANI / DNIS	Ringing Outside Line Identification
	Text Messages

Alphanumeric Speed Dial By Name

The Alphanumeric Speed Dial By Name feature provides ADIX APS station users with quick access to the speed dial entries using a zoom search. When you want to place a CO outgoing call with the Speed Dial feature, the desired Speed Dial destination can be searched by name alphanumerically.

Alternate Tone/Pulse Dialing

Allows you to change the dial signaling from Dial Pulse (Rotary) to DTMF (Touch Tone) after an outside call has been answered. This will allow you to use enhanced communications devices like Voice Mail and Automated Attendant.

Automatic Answer

When the ADIX APS system is placed in the Automatic Answer Mode the system automatically answers incoming calls on lines assigned as Auto Answer Lines in database programming. The system sends either the Mode 1 message (Automatic Answer-Time) or Mode 2 message (Automatic Answer - Day) to the caller, then disconnects the call. The IX-MSGU is required for this feature. If customized messages are desired, the IX-CMSG-1 is also required. The IX-CMSG-1 custom message card provides 330 seconds of customized message recording time.

Automatic Call Distribution

The Automatic Call Distribution (ACD) feature is supported when the optional ADIX ACD software is installed in the system. For more information on ADIX ACD refer to Chapter 6.

Automatic Night Answer

Allows an external caller to hear a recorded message when the system is in the Night Mode. This feature requires the installation of an IX-MSGU card. When the IX-MSGU card is equipped with an IX-CMSG-1 card, the message may be customized.

Automatic Number Identification (ANI)

ADIX APS will support ANI trunks provided by the telephone company on T1, ISDN PRI and ISDN BRI lines. The IX-DTI-T card is required for T1 lines, the IX-DTI-P is required for ISDN PRI lines and the IX-4ICOTB is required for ISDN BRI lines.

ANI Alphanumeric ID

ANI (Automatic Number Identification) numbers may be assigned a 16-character alphanumeric ID to identify the calling party, calling party's telephone number, type of call, or purpose of call. (Note: ANI calls are often transmitted by the telephone company with both a number and a alphanumeric ID.) The ANI alphanumeric ID is displayed on the station LCD when a call is received on an ANI trunk. A call can be routed to a station, master hunt group, or voice mailbox according to the ANI information received.

The information displayed on the station LCD during calls on ANI lines may be customized through database programming. During a call on ANI lines, you may change the way the call information is displayed by pressing the [CID Display Change] key. There are ten different display modes available to assign to the [CID Display Change] key. You can scroll through each programmed display mode choice each time you press the [CID Display Change] key.

Automatic Outside Line Answer/Hold

This programming option allows you to receive a second call automatically by simply pressing the Hold, Call Park or existing outside line key.

Automatic Outside Line Release

Outside lines which are in a hold or trunk-to-trunk conference status are automatically disconnected when the outside party hangs up. The optional IX-4TRAN card monitors the voice/tone signals from the outside line to determine if the call is terminated when a remote disconnect signal is not provided.

Automatic Relay Control

ADIX APS can be programmed to automatically operate a one-shot relay at a fixed time each day.

Automatic Repeat Dialing

Allows you to instruct ADIX APS to dial an outside party until they answer. This is accomplished by having ADIX APS periodically activate the speaker and dial the outside party's number. Should they answer, you will hear their voice through the speaker. In order to establish a conversation, you must pick up their receiver. Should you be away from your telephone when the called party answers, they will hear silence and ADIX APS will try to call later.

Background Music

If your ADIX APS system is connected to an external music source, the music played may be heard through the speaker in any Iwatsu telephone connected to the system. This same music source may be played through an external paging system when the optional IX-MISC/IX-MCAA components are added.

Barge-In

Allows you to enter an existing conversation. A warning tone is sent to inform the parties that a three way conference has been established.

Busy Bypass Tone Calling

When the optional IX-BPCU is installed in an IX-12KTD-3 or IX-12KTS-3 (or an IX-BPAD is installed in an IX-12KTS-2 or IX-12KTS-2) Digital Key Telephone a second call may be announced through the speaker in this unit while you are involved in a conversation using your receiver. You may respond through the microphone without having to put the original party on Hold. Use of this unit requires an additional station port. This is accomplished by providing a muted tone through the speaker in the busy telephone. External and internal calls may be differentiated by frequency. This feature is a system programming option and may not be present in all systems.

Busy Bypass Voice Calling

When the optional IX-BPCU is installed in an IX-12KTD-3 or IX-12KTS-3 (or an IX-BPAD is installed in an IX-12KTS-2 or IX-12KTS-2) Digital Key Telephone, the Busy Bypass Voice Calling Feature allows you to receive a voice announcement through the IX-BPCU (or IX-BPAD) speaker while on a call.

Busy Intercom Callback

Allows you to instruct the ADIX APS to inform you when a busy extension that you called becomes idle. When the extension becomes idle, ADIX APS will call you back. After you answer, the desired extension will automatically be dialed. If your telephone has a display, the display will inform you that the call is a callback and identify the extension. You may leave one callback message.

Busy Number Callback

Allows you to instruct the ADIX APS to periodically call you to try calling a previously dialed outside number again. To have ADIX APS dial the number simply pick up the receiver.

Busy Outside Line Queuing

Allows you to instruct ADIX APS that you wish to be notified when the outside lines are no longer busy. When an outside line becomes available, your telephone will ring. Picking up the receiver will give you outside dial tone. If you previously dialed the outside number, that number will automatically be dialed when the receiver is picked up.

Busy Overriding

Allows you to alert a busy extension user that you are waiting to speak with them. The busy extension user will hear periodic tone bursts through the speaker. If they have a display, it will identify the calling party.

Call Coverage

The Multipurpose keys on ADIX APS Digital Telephones may be programmed to allow both audible and visual indication of a call ringing at another extension. Calls made to an extension that is represented as a Call Coverage key on another telephone may be answered by that telephone by pressing the Call Coverage key. The visual indication is immediate and the audible indication may have one of the three modes: immediate, delayed or no ring. When the extension monitored by a Call Coverage key is not in the ringing state, the Call Coverage key will function as a Direct Station Selection/Busy Lamp Field key. The Call Coverage feature will support Intercom Tone (ringing) and Outside Line calls. Intercom calls are indicated by a slow flashing green lamp and Outside Line calls are indicated by a fast flashing green lamp. A good application for this feature is an administrative assistant that needs to answer calls for others in the office if they are away from their telephones.

Call Forwarding

Fixed Call Forwarding

Allows your ADIX APS installer to predefine call forwarding patterns for extensions. Fixed Call Forwarding does not activate the lamp on the Call Forward key and calls will always forward in the programmed sequence. Fixed Call Forwarding may be overridden by Call Forwarding entered at your telephone. All three forwarding modes may be programmed for Fixed Call Forwarding.

Flexible Call Forwarding

Allows the user to forward calls to an internal destination or an outside telephone number (using Personal Speed Dial numbers 90-99). The user can set separate call forward destinations for internal incoming and outside line incoming calls. For instance, you could set all intercom calls to go to your cell phone, and all outside line calls to be forwarded to your voice mail. The Flexible Call Forwarding feature also incorporates Follow Me capabilities.

Remote Call Forwarding

Allows you to forward outside line and/or intercom telephone line calls to forward to an external telephone number (using Personal Speed Dial numbers 90-99). Example forwarding locations include an answering service, a car telephone, or a home telephone.

Call Monitoring

Allows you to monitor another extension's conversation. This monitoring is silent and your extension's transmitter is automatically turned off.

Call Park

Call Park is similar to Hold but allows others to pick up a call even though they do not have a key representing the desired outside line.

Call Park/Swap

Allows you to alternate between two conversations.

Call Pick-Up

Allows you to answer a call ringing at someone else's telephone. There are three types of Call Pick-Up: Direct Call Pick-Up, Internal Group Call Pick-Up, and External Group Call Pick-Up.

Direct Call Pick-Up

Allows you to answer a call ringing at any extension in the office.

Internal Group Call Pick-Up

Allows extensions to be grouped together. This grouping eliminates the need to dial the ringing extension number in order to answer the call.

External Group Call Pick-Up

Allows you to answer a call ringing in a Call Pick-Up Group that they are not part of.

Caller ID

ADIX APS will support Caller ID trunks provided by the telephone company. The IX-8CITK card, IX-408 or IX-044 with IX-400 is required for caller ID operation.

Caller ID Alphanumeric ID

Caller ID numbers may be assigned a 16-character alphanumeric ID to identify the calling party, calling party's telephone number, type of call or purpose of call. (Note: Caller ID calls are often transmitted by the telephone company with both a number and an alphanumeric ID.) The Caller ID alphanumeric ID is displayed on the station LCD when a call is received on a Caller ID trunk. A call can be routed to a station, master hunt group or voice mailbox according to the Caller ID information received.

The information displayed on the station LCD during calls on Caller ID lines may be customized through database programming. During a call, you may change the way the call information is displayed by pressing the [CID Display Change] key. There are ten different display modes available to assign to the [CID Display Change] key. You can scroll through each programmed display mode choice each time you press the [CID Display Change] key.

Caller ID / ANI Number Storage

When a call is received on a caller ID (IX-8CITK) or ANI (IX-DTI-T) line, the ADIX APS will capture and store in the system memory information about the caller received with the call. This information includes the caller's telephone number and name, date and time of the call, trunk number, and destination station. This information can be output as a system event code or to SMDR. Information for the 500 most recent calls can be stored in the system memory on a first in, first out basis. Two modes of storage are available for this feature:

- Abandon Call Storage
- All Call Storage

Abandon Call Storage. When Abandoned Calls Only is selected as the storage mode for this feature, information will only be stored for the following types of calls:

- Caller hangs up or is disconnected before the call is answered.
- Caller hangs up or is disconnected while on hold or during hold recall.
- Caller hangs up or is disconnected during camp-on transfer or camp-on recall.

All Call Storage. When All Call is selected as the storage mode for this feature, the system will capture and store information about the caller received with the 50 most recent calls on caller ID or ANI lines.

Camp-On

Allows you to alert a busy extension user that an outside call is waiting for them to answer. The busy extension user will hear periodic tone bursts through the speaker. If they have a display, the display will first indicate the extension that sent the call followed by CAMP-ON. If the busy extension does not respond within a specified period of time, the call will return back to you.

Clear Call

Allows you to initiate a new intercom call without hanging up if the called extension does not answer or if there was a dialing mistake.

Conference

ADIX APS allows you to converse with three other people in one conversation. There may be any combination of inside extensions or outside lines.

Add-On

Maximum of one outside plus three inside parties or four inside parties.

Multiline

Maximum of three outside plus one inside parties.

Trunk-To-Trunk

Maximum of two outside parties.

Consultation Hold

Places an outside call on temporary hold before a transfer or conference is completed. The call will automatically return to you if the desired transfer extension does not answer or if you dialed incorrectly. If you have a display on your telephone, the display will show Camp On RCL and the name of the person that the call was sent to. You may also send a Whisper Page to the desired transfer extension during Consultation Hold.

Conversation Recording

The Conversation Recording feature allows an ADIX APS station user to record a station-to-station, outside line or conference call to voice mail. This feature is available at any station that has been assigned a Conversation Recording key.

Delayed Ringing

When an incoming outside line call is not answered within a pre-set time, a second group of stations start ringing and the ringing signal changes to an incoming alarm. A delayed ringing assignment can be programmed for each line. This assignment is the same for both Day and Night modes. If the line is programmed for attendant outside line intercept, the primary and delayed ringing stations will stop ringing when attendant intercept occurs.

Direct Outside Line Appearance

Digital Telephones may have Multipurpose keys programmed as an outside line for incoming and outgoing calls.

Direct Station Selection/Busy Lamp Field

The Multipurpose keys on ADIX APS Digital Telephones may be programmed to allow one-touch intercom calling to pre-assigned extensions. These keys will provide an indication if the extension programmed to that key is on a call, in DND mode or idle.

Distinctive Ringing

Outside Line Calls

Each outside line can be assigned one of four available ringing tones. This feature applies only to ADIX APS IP Telephones and Digital Key Telephones.

Intercom/Outside Line

Intercom and outside line calls ring at an extension with different ringing tones.

Dialed Number Identification Service (DNIS)

ADIX APS will support DNIS trunks provided by the telephone company on T1, ISDN PRI and ISDN BRI lines. The IX-DTI-T card is required for T1 lines, the IX-DTI-P is required for ISDN PRI lines, and the IX-4ICOTB is required for ISDN BRI lines.

DNIS Alphanumeric ID

DNIS (Dialed Number Identification Service) numbers may be assigned a 16-character alphanumeric ID to identify the number the calling party dialed to reach the ADIX APS. (Note: DNIS calls are often transmitted by the telephone company with both a number and a alphanumeric ID.) The DNIS alphanumeric ID is displayed on the station LCD when a call is received on a DNIS trunk. A call can be routed to a station, master hunt group, or voice mailbox according to the DNIS information received.

The information displayed on the station LCD during calls on DNIS lines may be customized through database programming. During a call, you may change the way the call information is displayed by pressing the [CID Display Change] key. There are ten different display modes available to assign to the [CID Display Change] key. You can scroll through each programmed display mode choice each time you press the [CID Display Change] key.

Direct Inward Dial (DID)

ADIX APS will support DID Trunks provided by the telephone company. This service allows any number of telephones to be called directly from the outside without the need of having a dedicated outside line for every telephone.

DID Alphanumeric ID

DID (Direct Inward Dial) numbers may be assigned a 16-character alphanumeric ID to identify the party being called, type of call or purpose of call. The same service is provided on T1, ISDN PRI and ISDN BRI lines and is called DID (DNIS).

Direct Inward Line

Each Outside line can be assigned to ring at up to 16 extensions. A different ringing assignment can be programmed for Day and Night modes. A ringing tone for each line can be selected from four available ringing tones. If a delayed ringing assignment is programmed for the line, the ringing changes to an incoming alarm when delayed ringing begins.

Direct Inward Line - Hunt Group

Outside lines can be programmed to ring at the stations assigned to a Hunt Group. The line will ring at the first available station in the hunting sequence. The same trunk can be assigned to ring at different hunt groups for day and night modes. If a station is busy or does not answer within the preset time, the call will ring at the next station in the hunting sequence. Additionally, Outside lines can be programmed to ring all stations in a hunt group simultaneously.

DISA

Direct Inward System Access (DISA) allows an external caller to access ADIX APS intercom dial tone by dialing the telephone number of an outside line that is dedicated for DISA. DISA gives the external caller the ability to access voicemail, make calls, access system paging, and set station call forwarding. Use of DISA for external calls and paging requires the entry of a security code to control fraudulent use. However, Iwatsu cannot control the distribution of security codes and will not be held responsible for unauthorized toll calls.

Do Not Disturb (DND)

Allows you to make your telephone busy so you will not be interrupted by telephone calls. However, the following type of calls may override Do Not Disturb: DSS Calls, Operator Calls, Secretarial Calls and Executive Override Calls.

E-Response Help Call

The E-Response Help Call feature allows specific system extensions to simultaneously call a group of extensions and access a system paging port upon dialing a dedicated Intercom Group Access number or, if the station remains off-hook on Intercom without dialing for a programmable period of time. This feature is also activated when the dialing of an Intercom call is initiated but not completed within a specific amount of time. This feature may also be programmed to have ADIX APS access system paging when a station makes an E-Response Help Call.

Exclusive Hold

Allows you to place an outside call on Hold that cannot be picked up by another extension.

Executive Override

Is the same as a Busy Override with the additional ability to override an extension in Do Not Disturb. This override may be either a voice announcement or tone signal.

Extension Number Display

Allows you to display your extension number on the display of an IX-12IPKTD IP Telephone or IX-12KTD-3 Digital Display Key Telephone.

External Paging

ADIX APS may be connected to an external paging system when the optional IX-EDVIF or IX-MISC/IX-MCAA components are added. An IX-MISC/IX-MCAA or IX-EDVIF has the ability to support four zones of paging.

Feature Key Display

Allows you to display what is programmed on your telephone's feature keys.

Flash

Allows you to receive dial tone on the same outside line without having to hang up. Flash may also be used to receive intercom dial tone to place another intercom call. Two different Flash settings may be programmed to allow for the use of Centrex or PBX features.

Flexible Key Assignment

ADIX APS digital telephones have programmable Multipurpose keys and feature keys which may be programmed to operate specific system features. The following features can be assigned to these keys.

Feature	Phone Display ((FEAT)[#][9] + [key] from KT)		Feature	Phone Display ((FEAT)[#][9] + [key] from KT)
Abandoned Call at Station Key	Abandon Call Sta		CNIS Off Key	CNIS OFF
Abandoned Call at Trunk Group Key	Aban Call Trk Gp		Connect With Supervise Key *	Connect SUP
Abandoned Call Delete	Del Abandon Call		Conversation Record Key	REC
Abandoned Call System Key	Abandon Call Trk		DCKT900 Virtual Key	Wireless Virtual
Absence Message Key	Absence Message		Destination Key *	Destination
Account Code Entry Key	Account Code		DID Remote Call Transfer	PTRAN
ACD Group	ACD 1-60		Direct Call Pick-Up Key	Spec. Call Pickup
ACD Group Night	NIGHT 1-60		Direct CO Line Termination Key #	COL 1-448
ACD Message Recording	A.REC		Direct Station Signaling Key #	DSS 1-448
Add-On Conference/Barge-In Key #	ADD		Display Scroll Key	LCD Mode Change
Agent Answer Key	AGT ANS		Flexible Qualification Code Entry	QUALIFY
Agent Log In	LOG		Floating CO Group Selection Key	FLT
Agent Monitoring Key	AGENT 1-400		Floating CO Group Termination Key	FLT 1-60
All ACD Groups	ACD 63		Forced Release Key *	Forced Release
All Call - Press Page Key	Press Page		Group Call Key (internal page groups)	Group 1-30
All Call Page Key #	ALL		Group Night Transfer Key *	GP. Night Change
Attendant Answering Key *	ATT Answer		Group Park Key	Group Park 1-60
Automatic Repeat Dialing Key	Auto Repeat Dial		Headset Control Key	Headset
Background Music Key	BGM		Help	HELP
(blank)	No Assign		Hold	Hold
BLF Page Control Key *	Screen n		Hold/Do Not Disturb Key	HOLD/DND
Busy Number Callback Key	Timed Trunk Queu		Hold/Quick Forward	Hold/Quick FWD
Call Connect Key	Connect		Hunt Group Key (external page groups)	Hunting
Call Coverage Key – Delayed	Delayed 1 - 448		ICM Calling Mode Key	Calling Mode CHG
Call Coverage Key – Immediate	Immed. 1 - 448		Intercom Line Call Back Key	ICM Call Back
Call Coverage Key – No Ring	No ring 1-448		Intercom Line Termination Key	ICM
Call Forward Key #	Call Forward		Internal Group Pick-Up Key	Call Pickup In
Called Mode Change #	C. Mode Change		Last Number Redial	Last No.Redial
Call Monitoring Key	Monitor		Line Connect Key *	Connect
Call Park Key #	Individual Park		Meet-Me Pick-Up Key	Meet Me
Call Park Pick-Up Key #	Call Park Pickup		Memo Dial Key	Memo Dial
Call Release Key (for headset stations)	Release		MBOX	MBOX
Call Sequence Change	SQC 1-60,63		Message Activation Key	MSG
Call Swap Key *	Split		Message Wait Control Key *	Message Wait CNT
Caller ID/ANI/DNIS Display Change Key	Display Change		Microphone Cut-Off Key	MIC
Cleaned Room *	Cleaning		Night Transfer Key *	Night Change
Clock Adjustment Key *	Time Set		Not Available	Unavailable

ADIX APS General Description

Feature	Phone Display		Feature	Phone Display
	((FEAT)[#][9] + [key] from KT)			((FEAT)[#][9] + [key] from KT)
Occupied Room *	Occupied		Station Class-of-Service Change Key *	Station Service
Operator Call Termination Key *	Operator		Station Lock Password Key	Station Lockout
Optimize Key	FLT 00		Stop Ringing Key *	Silence
Override Key	Over Ride		Substitute Key	Substitute
Privacy Release Key	Privacy Release		Supervisor Log In	S.LOG
Programming Key *	Programming		Text Message Group Key	MSGGPn
Queued Call Indication	QUEUE 1-60		Text Message Key	TXT MSG
Recall Termination Key *	Recall Answer		Text Message Preprogrammed Key	TXT MSGn
Remote Call Forwarding Key	Remote Call FWD 1-4		Time Reminder Key	Reminder
Remote Control Key	Relay 1-32		Transfer Key	TRN
Reserved *	Go Out		Trunk /Trunk Group Access Control Key *	Trunk Access CNT
Ring Muting	Silence		Trunk Call Back Queuing Key	Trunk Queuing
Saved Dial Key	Save No. Redial		Universal Night Answering Key	UNA Pickup
Separator Key	Separate		Vacant Room *	Vacancy
Serial Call Key *	Serial Call		Voice Mailbox Access Key	VML Hunting
Source Key *	Source		Voice Message Playing Key	Message Service
Speaker Duplex	Speaker Duplex		Voice Synthesizer Recording Key *	Message Record
Speaker Key	Speaker		Voice/Data Exchange Key	V-Data Exchange
Speed Dial Key	Speed Dial		Wake-Up Call (Attendant) Key *	Wake Up Call ATT
Speed Dial Key (Personal)– One-Touch	Speed Dial 90-99		Wake-Up Call Key	Wake-Up Call
Speed Dial Key (System)– One-Touch	System Speed 000-899		Wrap-Up	WRAP

* = attendant position only

= may be programmed on an Omegatrek PS6 portable station flexible key.

Flexible Numbering

ADIX APS features a completely flexible numbering plan. The numbers assigned for intercom extensions, outside lines/groups, paging, hunt groups, park orbits and single line telephone feature codes are not fixed and may be one to four digits in length.

Flexible Ringing

Outside lines directed to ADIX APS stations may be assigned one of four tones to provide an audible identification of the type of call. In addition, each ADIX APS digital station may choose one of eight distinctive ringing tones to distinguish their station from others. The selected ringing tone is audible for all incoming CO calls, camp-on calls, (tone) intercom calls and during busy override.

Floating Outside Line Group Access

Allows for a number of outside lines to be assigned to one of 60 groups. These groups may be used for incoming calls, outgoing calls or both incoming and outgoing calls.

Forced/Verified Account Code

Requires you to enter a one to twelve digit code to make outside calls. These codes may be either fixed or variable in length and each telephone may be programmed for one of the four following account code entry options.

Forced-Toll:	code entry required only for toll calls
Forced-All:	code entry required for all calls
Verified-Toll:	valid code entry required only for toll calls
Verified-All:	valid code entry required for all calls

A table of 10 telephone numbers may be programmed to allow calling without account code entry. This option is very helpful because it allows important emergency numbers to be dialed by anyone. The verification table, for verified account code entry, shares memory with System Speed Dial and may contain 800 account codes. The Forced/Verified Account Code programming allows the option of displaying the account code on the LCD of the telephone and the SMDR printout.

Full / Half Duplex Speaker Phone Mode

IX-12KTD/S-3 Digital Key Telephones can be changed from full duplex to half duplex through the operation of the [SPEAKER DUPLEX] key.

Group Monitoring

Allows you to let others listen to your conversation through the speaker of the telephone while you converse using the receiver. This feature can be enabled or disabled through programming. With this feature disabled, a user is able to make a smooth transition from handset to speakerphone.

Group Park

By placing a call on Group Park all extensions with the appearance of that Group Park key will have a flashing indication and be able to pick up that call.

Hands-Free Answerback on Intercom

Allows you to answer an intercom call without lifting the receiver. The microphone may be turned off if desired.

Headset Key

Allows you to alternate between using the handset (receiver) and the headset.

Headset Control Key

Replaces the [Headset] key for use with the IX-12KTD/S-3 Digital Key Telephones and the IX-12IPKTD IP Telephone. The Headset key can be used with the IX-12KTD/S-2 Digital Key Telephones, but requires a headset adaptor box to switch the audio between handset and headset.

Headset Connection

Digital telephones may operate with a headset instead of the handset (receiver). The IX-12IPKTD IP Telephone and the IX-12KTD/S-3 Digital Key Telephones have an integrated headset jack on the back of the phones. Use of the headset on the rest of the ADIX Digital Key telephones requires the handset to remain in the cradle of the telephone and the headset control key to be switched to the ON position.

Hold/Hold Recall

Any outside call can be put on Hold by using the Hold/Quick Forward (or Hold/Do Not Disturb) key. Calls placed on hold will recall the station after a certain amount of time elapses. At this time a ringing tone will occur that will be different than the tone of an incoming call. If after a certain amount of time the call is not picked up, it will automatically be forwarded to the attendant.

Hold / Quick Forward

The [HOLD/QUICK FORWARD] key functions the same as the [HOLD/DND] key except callers are sent to the Fixed Call Forward destination instead of hearing a DND tone. When a call is routed to a station programmed with a Fixed Call Forwarding destination that has activated the [HOLD/QUICK FORWARD] key, the call is immediately routed to the Fixed Call Forwarding destination. If no Fixed Call Forwarding destination is programmed, the caller hears a DND tone.

Hot Line

If your telephone is programmed to have this feature, every time you lift the receiver or press the Speaker key, a call will be placed to a predetermined extension.

Howler Tone

If your receiver remains off the receiver key too long after no action is taken, ADIX APS will provide a tone to alert you of this condition.

Hunt Groups

See Master Hunt Group on page 59.

I-Use / I-Hold Indication

The Multipurpose keys on ADIX APS telephones have dual colored LEDs to distinguish outside line calls in progress or on hold at a station from calls at other stations. Several LED lamp patterns are also provided, enabling users to identify call status.

Intercom (ICM)

All telephones in an ADIX APS system may place an intercom call to another telephone for internal conversations.

Intercom Group Call

Allows any system extension to simultaneously call a group of extensions that are part of an Intercom Group. When an extension dials the Intercom Group access number, all of the stations in the Intercom Group will be called simultaneously.

ISDN BRI and ISDN PRI Lines

ADIX APS will support both ISDN BRI (Basic Rate Interface) and ISDN PRI (Primary Rate Interface) lines. The IX-4ICOTB card is required for ISDN BRI line integration. The IX-DTI-P card is required for ISDN PRI line integration.

ISDN PRI Lines

The ISDN PRI features provided by ADIX APS include Call-by-Call Service Selection, Fractional DS1, and ISDN Calling Number Identification Service (I-CNIS). Call-by-Call Service Selection enables a single span to handle different types of Network Specific Features (NSF) without requiring dedicated channels for each NSF. The Fractional DS1 feature allows individual B-channels on the span to be programmed as active or inactive. With the ISDN Calling Number Identification Service (I-CNIS) feature, the I-CNIS number is sent with an outgoing call over an ISDN PRI line, identifying where the call originated. I-CNIS may be programmed at the station or trunk group level or provided by the CO.

Last Number Redial

Allows you to automatically dial the last outside number called.

Loud Bell Interface

Outside telephone lines may be directed to ring a loud bell when ADIX APS is equipped with the optional IX-EDVIF or IX-MISC/IX-MCAA components. Each IX-MISC/IX-MCAA has the ability to support eight loud bells. The IX-EDVIF has the ability to support four loud bells.

Master Hunt Group

A hunt group is a group of telephones that are assigned a common access code for incoming call routing to a group. When a call rings into a Master Hunt Group, ADIX APS will search for an idle telephone in that group. There are three ways that calls may search for an idle extension: Terminal, Distributed Hunting and All Ring. In Terminal Hunting the incoming calls always start hunting from the first telephone in the group. In Distributed Hunting the incoming calls start hunting from the telephone following the last called telephone. In All Ring Hunting, the incoming call rings all extensions in the group simultaneously. In Terminal and Distributed Hunting, calls will hunt to the next telephone if a telephone does not answer in a predefined period of time, is busy and in Call Forward, Absence Message or Do Not Disturb mode.

Memo Dial

Allows you to save a telephone number in memory while you are speaking on an outside line. The memory is shared with Save Number Redial.

Message Waiting

Allows you to light a lamp at another extension to inform them that you wish to speak with them.

Music On Hold

If your ADIX APS system is connected to an external source, callers that have been placed on Hold or Call Park will hear the audio from this source. ADIX APS also features an internal music on hold source that provides eight tones.

Mute

Allows you to mute the microphone in your telephone for privacy.

Networking

ADIX IP Networking

ADIX IP Networking provides a cost-effective IP solution for networking two or more autonomous ADIX telephone systems together, retaining all features associated with Networking via T1 and Analog E&M Tie Lines. However, the IX-8IPNET/IX8EIPNET card leverages the ability to pass both data and voice traffic over the same circuit. The converging of these seemingly two different medium types (TDM and IP telephony) is possible because the IX-8IPNET/IX8EIPNET card packetizes the voice traffic using the concise SIP protocol.

This solution provides the ability to converge your voice and data traffic through a Virtual Private Network (VPN) or through a managed public IP network. Because data traffic is not real time-dependent and it rarely is in constant use over a wide area network (WAN), SIP voice traffic often has the resources (e.g., bandwidth) to pass easily over the same circuit. However as later explained, prior to deploying voice over a WAN or VPN, a complete analysis of the network is required to ensure sufficient bandwidth and QoS for voice traffic. Using a VPN or a WAN to pass SIP voice traffic allows you to leverage both your data and telephony resources.

More information regarding ADIX IP Networking is provided in Chapter 3.

Campus APS Networking

The Campus APS Networking application enables corporate offices and branch offices to have transparent access to ADIX APS system features regardless of their location within the network. While each site will have the stand-alone hardware for that individual system, Campus APS Networking handles all call processing and system activity from the main system CPU. Organizations can benefit by centrally locating and administering their voice mail, call accounting and call center reporting applications. In addition, both corporate and branch office extensions have full transparency of features such as call coverage, whisper page, text messaging, intercom calling to networked extensions, conference calling, automated attendant, busy lamp appearances and the ability transfer calls across the network.

Campus APS Networking provides a method for transparently linking two or more ADIX APS systems. A networked system can provide voice communication and feature access across a T1 circuit with distances limited only by the availability of Point-to-Point T1 Circuits. Each network consists of a main system and one or more remote systems linked by point-to-point T1 circuits. The IX-DTI-N card with IX-VCOMP Voice Compression Module is required in a Campus APS Network.

More information on Campus APS Networking is provided in Chapter 5.

Networking via T1 and Analog E&M Tie Lines

Multiple ADIX APS systems may be networked using T1 E&M Tie Lines or Analog E&M Tie Lines. DID, ANI/DNIS, and Caller ID calls may be routed through the network to a remote ADIX APS system. ADIX APS also provides Caller ID/ANI/DNIS number display over the network. Message lamps will light at distant extensions. Other networking features include 800 Network Translation tables, centralized SMDR, centralized voice mail, release operation on T1 and Analog E&M Tie Lines, access to the network from DISA, and intercom calling between multiple remote systems.

Off-Hook Outgoing Call

This programming option allows you to automatically dial an outside party by simply picking up the receiver. This feature makes use of the System Speed Dial feature.

Off-Hook Outside Line Answering

Allows you to answer an outside call without pressing the key representing the ringing line.

Off-Hook Outside Line Queuing

Allows you to instruct ADIX APS that you wish to wait for an outside line if all outside lines are busy. This feature is used only when outside lines are grouped to appear under one or several outside line keys.

One Touch Optimized Key

The One Touch Optimize Key provides one-touch access to optimized routing. To make an optimized call a user simply presses the Optimized key.

On-Hook Dialing

Allows you to dial an extension or outside line without lifting the receiver. The receiver must be picked up to converse if your telephone is not equipped with a Speakerphone.

Optimized Routing

Optimized Routing is frequently referred to as either Least Cost Routing (LCR) or Automatic Route Selection (ARS). This feature allows the ADIX APS to automatically select the most inexpensive way to make an outgoing call. The system identifies the dialed number, and then selects the most cost-effective outside line group. If a line in the first choice outside line group is not available, the system may be programmed to select an alternate outside line group. The Optimized Routing package in ADIX APS provides the following features:

- Eight routing plans
- Eight outside line group choices per routing plan
- Weekday, Saturday, Sunday, Holiday selection
- Three time periods per day
- Deletion and insertion of digits

Outside Line Call Restriction

The system can be programmed to restrict any telephone from making outside line calls on specified outside line groups.

Outside Line Interfaces

The following type of outside lines are supported by ADIX APS:

Loop Start trunks	DNIS trunks
Ground Start trunks	DID trunks
Caller ID trunks	E&M Tie trunks
OPX Station	ISDN BRI lines
ANI trunks	ISDN PRI lines
T1 Lines	

Outside Line Pick-Up Restriction

The system can be programmed to restrict stations from accessing incoming calls on specific outside lines. Three different levels of restriction are available. This does not affect the restricted stations ability to make outgoing calls on these lines.

Paging

ADIX APS provides three types of paging: All Call, Group Call and Zone Page.

All Call

Allows you to make an announcement either through the speakers in the IP Telephone and Digital Telephones and/or an External Paging System.

Internal Paging

When ADIX APS is equipped with Iwatsu telephones, any telephone may make a page announcement that will be broadcast through the speaker of assigned telephones.

Group Call (Internal)

Allows you to page through the speaker in a group of telephones. There may be 30 groups with a maximum of 64 extensions per group.

Zone (External)

Allows you to access individual groups of external paging speakers.

Meet-Me Page Answer

Allows you to answer a page from any telephone that is in the same Meet-Me Page Answer group.

Personal Ringing Tones

Station users may choose one of eight distinctive ringing tones to distinguish their station from others. The selected ringing tone is audible for all incoming CO calls, camp-on calls, (tone) intercom calls and during busy override.

Power Failure Backup Memory

In the event of a power failure, the system programming will be maintained for a period of two weeks by a rechargeable Ni-Cad battery.

Power Failure Backup System

If your ADIX APS system is equipped with the optional IX-BACBB (Battery Backup Cable), it may be connected to a Gel Cell battery to keep the system in normal operation in the event of a power failure. This feature is not available when the IX-PWSS Power Supply is utilized.

Preset Dial/Backspace Dialing

This programming option allows you to dial an intercom or an outside telephone number and have the number appear on the display of your IP Telephone and Digital Multiline Display Telephone before the call is placed. This procedure ensures that the correct number will be dialed.

Prime Line Access

This programming option allows you to have immediate access to either your intercom extension, a desired outside line, or optimized routing upon going off-hook.

Privacy/Privacy Release

All conversations are private and no one may enter a conversation unless you release the privacy for that conversation.

Private Line

This programming option allows a telephone to have a dedicated outside line appear on one of its Multipurpose keys. This line will have the following characteristics:

- It will ring if the station is in Do Not Disturb
- It will not be Call Forwarded
- It cannot be accessed by other extensions

Protected Station

This programming option provides you the ability to prevent any calls from overriding at a specific extension.

Quick Mode Operation

This programming option enables you to access an outside line or your intercom extension by simply pressing the desired key. This activates the speaker and allows for immediate on-hook dialing. If your extension has a Speed Dial number assigned to a Multipurpose key, ADIX APS will automatically select a line and dial the number.

Remote Programming/Diagnostics

A personal computer at a remote location may change the customer database via modem access. The line used for remote programming may also be used as a regular outgoing line, and manually switched for modem use. The remote programming package includes a diagnostic service for system maintenance and troubleshooting. This also includes an automatic call-out feature to a remote location either daily or after a certain number of failures have been recorded.

Remote Relay Control

Allows you to activate/control a remote device. Some examples would be a door opener or a monitor camera.

Ring Muting

Allows you to turn the ringer, microphone and speaker off at your telephone. Ring Muting is recommended instead of Do Not Disturb when the Call Coverage feature is installed.

Save Number Redial

Allows you to save a number that you dialed when you receive either a busy signal or no answer. The memory for this feature is shared with Memo Dial.

Shift Call

Allows you to initiate a new intercom call without hanging up if the called extension does not answer or if there was a dialing mistake. This differs from Clear Call by allowing you to dial the last digit of an extension number to reach the next extension.

Single Line Telephone Features

ADIX APS supports the connection of single line telephones. The following features are accessible from single line telephones.

Account Code	Hold/Hold Recall
All Attendants Call	Hot Line
Automatic Outgoing Outside Line Call	Howler Tone
Busy Intercom Callback	Intercom (ICM)
Busy Number Callback	Last Number Redial
Busy Outside Line Queuing	Master Hunt Groups
Call Forwarding	Message Waiting
Call Park	Off-Hook Outgoing Call
Call Park/Swap	Off-Hook Outside Line Queuing
Call Pick-Up	Paging
Direct Call Pick-Up	All Call
Internal Group Call Pick-Up	Group Call (Internal)
External Group Call Pick-Up	Zone Page (External)
Camp-On	Meet-Me Page Answer
Clear Call	Pre-Ringing
Conference	Prime Line Access
Add-On	Private Line
Multi-Line	Protected Extension
Trunk-To-Trunk	Shift Call
Consultation Hold With Recall	Speed Dial
Delayed Ringing	Station
Distinctive Ringing - ICM/Outside Line	System
Direct Outside Line Appearance	Station Restriction Password
Do Not Disturb	System Announcement Message
Exclusive Hold	Tone/Voice Calling
Flash	Transfer (Screened/Unscreened)
Outside Line Group Access	Transfer to Park
Forced/Verified Account Code	Unanswered Incoming Outside Line Warning Tone
Group Park	Universal Night Answer

SMDR

Station Message Detail Recording (SMDR) allows you to connect an RS232C compatible serial printer to ADIX APS. This printer will show all incoming and outgoing call activity. The following information will be shown:

- Date of the call
- Sequence number 001-999
- Extension number that made/received the call
- Start time of the call
- Duration of the call
- Trunk number used for the call
- Number dialed for the call
- Account code number for the call
- Note for the call

An IX-HCIF, IX-SCIF or IX-EDVIF card is required for this feature.

Speakerphone

The ADIX IX-12IPKTD IP Telephone, IX-12KTD-3, IX-12KTS-3, IX-12KTD-2 and IX-12KTS-2 Digital Telephones are equipped with a standard internal speakerphone. The IX-MKT Digital Telephone may be equipped with an optional speakerphone unit. Use of the speakerphone allows for complete hands-free operation on external calls.

Speed Dial

Allows you to have abbreviated outside number dialing.

System Speed Dial

Allows you to have access to frequently dialed outside numbers that are common to everyone in the office. The numbers may be 32 digits in length and may include the insertion of a pause. There may be 900 System Speed Dial Numbers.

Personal Speed Dial

Allows you to program up to 10 frequently dialed outside numbers for either one-touch or abbreviated dialing. The numbers may be 32 digits in length and may include the insertion of a pause.

Station Coaching

Station Coaching includes two actions: Monitoring and Whisper Paging (hereafter called 'Whisper Monitor'). Both a Digital and IP key telephone are able to Whisper Monitor a digital key telephone after invoking the Monitor feature. The Monitoring station can Whisper Monitor other stations while on an outside call or an intercom call and press the [*] key to speak to the monitored station without the calling station hearing.

Station External Ringer Connection

Allows for the connection of an external ringer through an IX-LRSP to provide loud ringing on incoming calls.

Station Restriction Password

You may enter a personalized password to prevent anyone from using your telephone when you are not present. The password must be programmed through system programming and may be six digits in length.

System Alarm

Should there be a malfunction with your system, ADIX APS will generate an alarm indication on station in the attendant position.

System Announcements

When ADIX APS is equipped with the optional IX-MSGU message unit, various automatic answering services may be provided. These messages will be played automatically dependent on the application. Some example applications are:

- ADIX ACD / UCD announcements - "All agents are busy"
- Night Mode announcements - "Our office is closed for the day"
- Hotel/Motel announcements - "This is your wake up call"
- DISA - "Please dial your authorization code"

Customized messages may be recorded and played if your system is equipped with an IX-CMSG-1 card.

System Clock

ADIX APS is equipped with a real-time clock that provides an indication of the current time and duration of both incoming and outgoing calls on the LCD display of Iwatsu telephones. The clock also has a perpetual calendar that eliminates the need to change the date.

Text Messaging

The Text Messaging feature allows station users to send a 16-character text message to another system extension. There are two types of text messages, system text messages and personal text messages. A text message may be sent as either a *busy bypass/no answer text message* or as a *stored text message*. Busy bypass/no answer text messages appear on the recipient's LCD immediately. Stored text messages do not appear on the display, but instead, light the recipient's [TXT MSG] key. Stored text messages are saved in memory until the recipient manually displays them.

Up to 90 system text messages and 10 personal text messages are available to each user. System text messages are accessible by all ADIX APS station users. Personal busy bypass text messages are programmed by the individual station user and may only be accessed at the specific station set.

System Text Messages

Allows you to access frequently used messages that are common to everyone in the office. The messages may be 16 characters in length. A maximum of 90 may be stored in system memory.

Personal Text Messages

Allows you to program up to 10 frequently-used messages for either one-touch or abbreviated access. The messages may be 16 characters in length.

Time Reminder

Allows you to be reminded that it is a certain time. You are reminded by hearing tones that are generated from the telephone's speaker. If your telephone has a display the word 'Reminder' will also appear. The time must be entered in military time.

Toll Restriction

The ADIX APS system provides flexible toll restriction of area and office codes, as well as the subscriber number. There are eight levels of restriction.

Tone Pulse Dialing

Loop start and ground start trunks may be programmed for either Touch Tone or Rotary dialing to accommodate your local telephone company central office.

Tone/Voice Calling

The calling mode for intercom calls may be switched between voice and tone signaling. ADIX APS may be programmed to allow either the calling party or the called party to have control of the signaling mode.

Transfer

Screened/Unscreened

An outside line call may be transferred to another station by either announcing the call (Screened Transfer) or without announcing the call (Unscreened Transfer) to the receiving station. The called station can identify the transferring extension number if provided with an LCD display. Camped-on calls recall the station if not picked up within the programmed time (0-255 seconds) or if the receiving station is restricted from picking up the call. The [TRAN] key on key telephones may be used for this feature.

Transfer to Guest Mailbox

Allows access to voice mailboxes not associated with specific ADIX APS extensions. The guest mailbox may be accessed from any system extension.

Unanswered Incoming Outside Line Warning Tone

After a programmable time, incoming calls will ring with a different tone to warn you that your call is now in the delayed ringing mode at another extension.

Uniform Call Distribution (UCD)

Allows telephone lines to be directed to a group of telephones. If all telephones are busy, your caller may hear a recorded message when your system is equipped with an ADIX APS IX-MSGU card. Calls to the UCD group may search for an idle extension in a Terminal, Distributed or All-Ring Hunting pattern. In Terminal Hunting the incoming calls always start hunting from the first telephone in the group. In Distributed Hunting, the incoming calls start hunting from the telephone following the last called telephone. An All-Ring hunt group rings all stations simultaneously. Calls will hunt to the next telephone if a telephone does not answer in a predefined period of time, is busy, and in Call Forward, Absence Message or Do Not Disturb mode.

Two levels of recording are available to allow you to play a second message for your callers to inform them that you are still waiting to assist them. ADIX APS also provides the ability to send unanswered calls to an overflow or secondary answering position after a predefined period of time. This second answering position may be another UCD group, hunt group, extension or attendant.

Universal Night Answer

Allows you to answer calls that have been switched to ring at the Night Mode location.

Voice Mail/Automated Attendant Integration

ADIX APS has been designed to provide full integration with voice mail and automated attendant machines such as Omega-Voice VMI and ADIX TOL 2000. ADIX APS will allow you to transfer, forward and record calls to a mailbox and provides you with a unique voice mail message waiting indication. ADIX APS will also allow calls transferred from the automated attendant to be directed to messages other than the initial greeting if the desired party does not answer. More information on Iwatsu Voice Mail Systems is provided in Chapter 4.

Voice Mail Message

Allows you to access and listen to your voice mail messages from your desktop telephone using the [MBOX] key. In addition, a message lamp will light to indicate a new message.

Voice Mail Monitor

Station users may monitor voice mail messages as they are recorded. During recording monitor, the station user may select to initiate a conversation with the caller. The user may also activate or deactivate this feature from their extension.

Whisper Page

The Whisper Page feature allows ADIX APS station users to communicate with a busy extension without interrupting a call in progress. When a busy station is called using the Whisper Page feature, the busy station will hear the voice announcement through the handset receiver. The station receiving the Whisper Page can choose to communicate with the calling station by pressing the [*] key. Neither the voice of the station sending the Whisper Page, nor the busy station's response is audible to the outside party. The station sending the Whisper Page receives a confirmation tone and the busy station receives a conference tone to indicate their station is in the Whisper Page state. In addition, a user may use the Text Message feature to respond to a Whisper Page.

ADIX IP Telephony

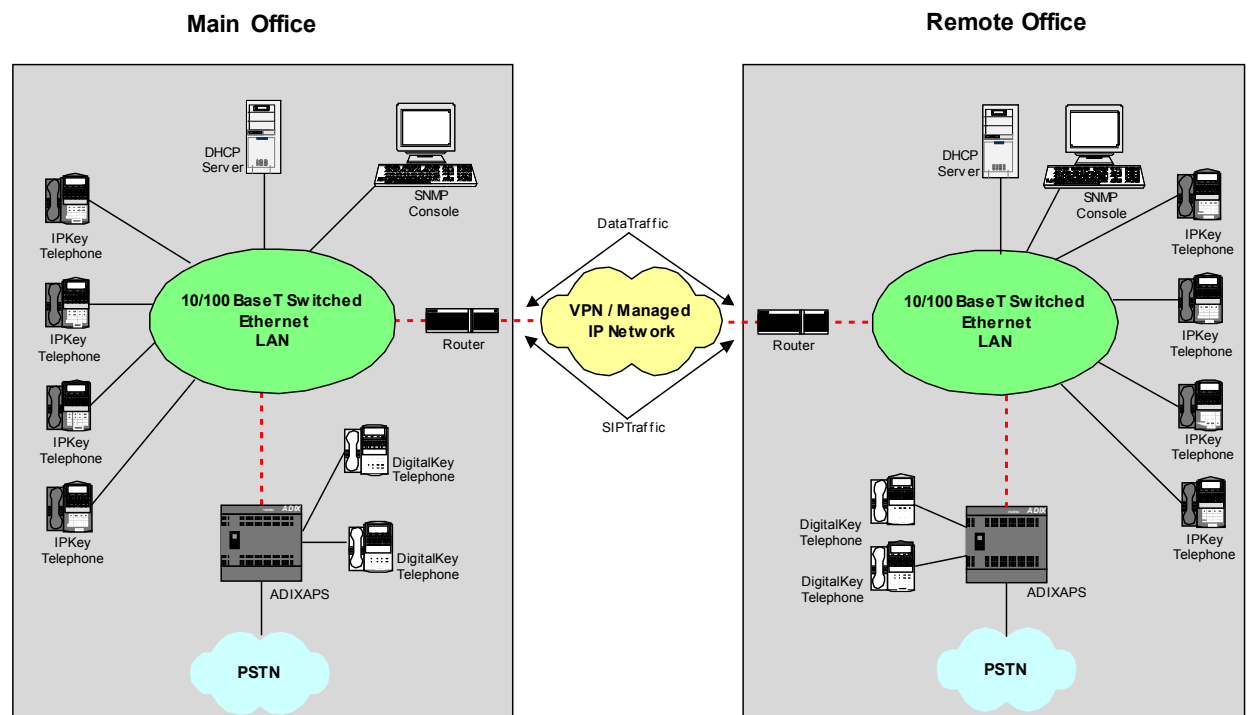
The following applications are available for ADIX APS to provide IP Telephony integration.

ADIX IP Networking

ADIX IP Networking supports all of the features and operations associated with ADIX T1 / E&M networking. However, instead of voice and data traffic between the two systems being transmitted over a T1 or E&M tie line, voice and data traffic is transmitted over a data channel such as a VPN or managed IP network. For this reason, ADIX IP networking does not require a point-to-point relationship between the tie lines at each end. Additionally, ADIX IP networking does not require an ADIX Telephone system acting as hub-like system, containing dedicated networking hardware for each node. With ADIX IP networking, a single IX-8IPNET and/or IX-8EIPNET card installed in an ADIX system is free to communicate with any networked system that contains an IX-8IPNET/IX-8EIPNET card. The only requirement is adequate bandwidth.

System Description

The following is an example of the IX-8IPNET card tying two ADIX telephone systems over a single channel.



ADIX IP Networking

Each of these offices has an ADIX APS that is equipped with an IX-8IPNET card. The IX-8IPNET card is connected directly to the LAN. WAN access for voice and data is provided through the router at each end. In both offices a combination of IP Telephones (IX-12IPKTD) and digital key telephones (e.g., IX-12KTD-3) are used. Each IP Telephone is connected directly to the LAN via an internal Layer 2 switch. Inside the ADIX