

OMEGA-PHONE

ADIX_{APS}

System Specifications



IWATSU
TELECOMMUNICATIONS PRODUCTS

Part Number 108220

All features and specifications of the products described herein are subject to change. Consult with your Authorized Iwatsu Distributor for details.

S_{ystem Specifications}

Modular Design

The ADIX APS can be expanded to a maximum of 472 ports by adding up to four expansion modules (three IX-EXPML1 Expansion Modules, and one IX-EXPML2 Expansion Module) to the IX-CML Common Module.

ADIX APS System Overview

IX-CML Common Module

- 5 Universal Card Slots
- Dimensions (HxWxD): 12.5"x19"x11.5"
- Weight: 17 lbs. Empty; 30.4 lbs. Full Capacity
- Power Supply: IX-PWSL, IX-PWSM, IX-PWSS

IX-EXPML1 Expansion Module

- 3 Maximum (2nd, 3rd, and 5th Shelf)
- 6 Universal Card Slots
- Dimensions (HxWxD): 11.5"x19"x11.5"
- Weight: 16 lbs. Empty; 29.7 Full Capacity
- Power Supply: IX-PWSL or IX-PWSM

IX-EXPML2 Expansion Module

- 1 Maximum (4th Shelf only)
- 6 Universal Card Slots
- Dimensions (HxWxD): 11.5"x19"x11.5"
- Weight: 16 lbs. Empty; 29.7 Full Capacity
- Power Supply: IX-PWSL or IX-PWSM

IX-PWSL Power Supply

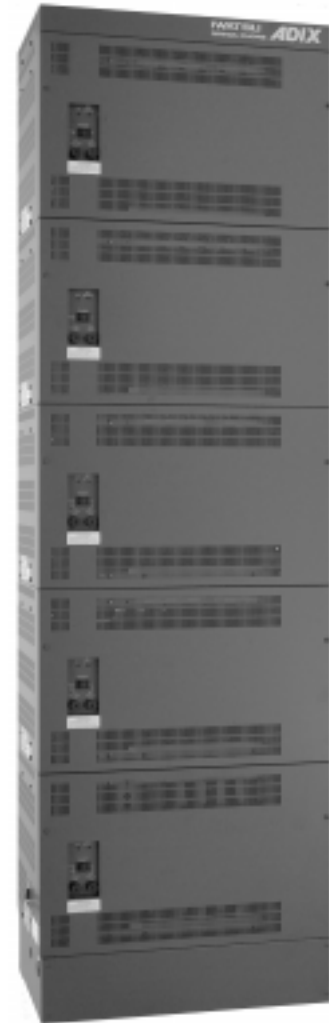
- Dimensions (HxWxD): 10.5"x2.75"x11.5"
- Weight: 5 lbs.

IX-PWSM Power Supply

- Dimensions (HxWxD): 9.2"x2.7"x11"
- Weight: 5.5 lbs.

IX-PWSS Power Supply

- Dimensions (HxWxD): 9.2"x2.7"x11"
- Weight: 4.3 lbs.



Fully Expanded
ADIX APS

System Architecture

Time Division Multiplexed PCM32

Mu-law Speech Compression

Time Slots:

IX-CPUP/HW:512

Stored Program

Distributed Multi-microprocessor

System Memory

Component	Flash Memory	RAM
IX-CPUP/HW	none	4 MB
IX-CPU20 MEM-M	4MB	0 MB
IX-CPU20 MEM-L	4MB	2MB

Heat Dissipation

IX-PWSS (maximum):130 BTU/hr

IX-PWSM (maximum):162 BTU/hr

IX-PWSL (maximum):243 BTU/hr

Environment

Operating Temperature:0° to 40°C/32° to 104°F

Storage Temperature:-10° to 50°C/14° to 122°F

Relative Humidity

(non-condensing):10% to 90%

Seismic Withstanding

Applied Force	Sweep Cycle/Wave	Applied Waves	Simulated Installation
0.25g vertical 0.125g horizontal	0.5-10Hz	30	Ground level, floor mount
0.5g vertical 0.25g horizontal	0.5-5Hz	30	2 nd to 6 th floor mount

Power

Model	Nominal	Maximum
IX-PWSS Input:	86 watts	122 watts
IX-PWSM Input:	167 watts	250 watts
IX-PWSL Input:	252 watts	360 watts

AC Input

AC Input Voltage Tolerance:

IX-PWSS:108V-132V @ 120V

IX-PWSM:90V-135V @ 110V

IX-PWSL:108V-132V @ 120V

Frequency Tolerance:

IX-PWSS:54 Hz-66 Hz

IX-PWSM:47 Hz-63 Hz

IX-PWSL:47 Hz-63 Hz

Maximum Input Current

IX-PWSS:2.0A

IX-PWSM:2.0A

IX-PWSL:3.0A

Ringling Generator

Frequency:20 Hz

Amplitude:90 Vac

Maximum Simultaneous

Ringling (SLT):20

Battery Backup

ADIX APS (IX-PWSL) power supplies include a battery interface. Backup time is dependent upon battery array, system size and system usage. See the table below to determine which power supplies allow a Battery Backup connection:

Power Supply	
IX-PWSS	No connection
IX-PWSM	Battery Backup Connection
IX-PWSL	Battery Backup Connection

FCC Registration Numbers for ADIX APS

Key Telephone Systems: BD6MLA-21247-KF-E

Multi-Function System(Hybrid): BD6MLA-21244-MF-E

PBX: BD6MLA-21246-PF-E

IC Registration Number

577 3326 A

Facility Interface Codes

Loop Start Trunks:02LS2

Ground Start Trunks:02GS2

DID Trunks:02RV2-T

E&M Tie Lines:TL31M/TL32M

OPS Lines:0L13C

T1-SF:04DU9-BN

T1-ESF:04DU9-1KN

ISDN BRI:02IS5

ISDN PRI:04DU9-1KN

Software Capacities

Abandon Call Storage	500 call records
Account Codes:	12 digits
Call Forwarding:	10 steps
No Answer:	no limit to steps
Call Pick-up Groups:	60
CO/ICM Hunt Groups:.....	60
CO/Station Alphanumeric ID:	8 characters
DID Alphanumeric ID:.....	16 characters
Doorphone Ringing Assignment:	16 stations/doorphones
External Paging Zones:.....	30
Flexible Numbering Plan:.....	1-4 digits
Forced Verified Account Codes:	800
Incoming Call Delayed Ringing Assignment:	16 stations/line
Incoming Call Ringing Assignment:	16 stations/line, 32 stations/line if delayed ringing assignment is not programmed.
Incoming Trunk Groups:.....	60
Maximum Digits per Speed Dial Number:	32
Maximum Stations per Hunt Group:	32
Maximum Stations per Paging Group:	64
Maximum Stations per Text Message Group:.....	16
Outgoing Trunk Groups:.....	60
Paging Groups Internal:.....	30
Park Orbits	
Attendant/System:	60
Station:.....	1
Programmable System Announcement Time:	120 seconds (IX-CMSG), 320 seconds (IX-CMSG-1)
Speed Dial Alphanumeric ID:.....	10 characters
Station Speed Dial:	10
Station Text Messages:.....	10
System Speed Dial:	900
System Text Messages:	90
Text Message Groups:	60

Circuits Per Card

Caller ID Trunk Card (IX-8CITK):.....	8 circuits
Caller ID Trunk Module (IX-400):	4 circuits
Conference Card (IX-8CNFBOX-1):	8 circuits
DID Trunk Card (IX-4DITK):	4 circuits
Digital Station Card (IX-16PSUB):	16 circuits
Digital Station Card (IX-8PSUB):	8 circuits
Digital Station/Caller ID Trunk Card (IX-408):.....	12 circuits
Digital Station/On-premise SLT Card (IX-044):	8 circuits
E & M Tie Line Trunk Card (IX-4EMTK):.....	4 circuits
Ground/Loop Start Trunk Card (IX-8LGTK):.....	8 circuits
ISDN BRI Trunk Card (IX-2ICOTB).....	2 circuits
ISDN PRI Trunk Card (IX-ICOTP):	1 circuit
MSG Lamp SLT Card (IX-8SUBM):	8 circuits
Off-premise SLT Card (IX-4SUBL):.....	4 circuits
On-premise SLT Card (IX-8SUBS):.....	8 circuits
T1 Trunk Card (IX-T1DTI):	1 circuit
ZT-D Station Card (IX-8DSUB):	8 circuits

Attendant Console

Maximum Attendant Positions:	8
Loop Keys (Incoming Lines):	8
Programmable Function Keys:.....	16
Programmable DSS Keys:.....	30
Menu Driven Software Function Keys:	8
Call Waiting Indications:	12
Alphanumeric LCD:	4 rows, 40 characters
BLF Indications:.....	200 x 2

Telephone Requirements

Digital Telephones

Wiring:	1 pair
Total End-to-end Distance	
22 AWG Twisted Pair:.....	1,000 ft.
24 AWG Twisted Pair:.....	1,000 ft.
1 Star Repeater:	1,500 ft.
2 Star Repeaters:	8,500 ft.

Single Line Telephones

Wiring:	1 pair
Wiring w/Message Lamp:	1 or 2 pair
Maximum Loop Resistance (Includes SLT)	
On-premise SLT:.....	600 ohm
Off-premise SLT:.....	1,200 ohm
Ringing Frequency:	20Hz

ADIX APS System Capacity

IX-PWSL Power Supply¹

This table lists the maximum capacities for IX-CML, IX-EXPML1, and IX-EXPML2 with IX-PWSL power supplies.

Type	Configuration	IX-MEM-M	IX-MEM-M	IX-MEM-L	IX-MEM-L	IX-MEM-L
	Shelf 5					IX-EXPML1
	Shelf 4				IX-EXPML2	IX-EXPML2
	Shelf 3			IX-EXPML1	IX-EXPML1	IX-EXPML1
	Shelf 2		IX-EXPML1	IX-EXPML1	IX-EXPML1	IX-EXPML1
	Shelf 1	1 IX-CML	IX-CML	IX-CML	IX-CML	IX-CML
IX-PWSL Power Supplies Required		1	2	3	4	5
Universal Card Slots		5	11	17	23	29
Number of Ports ²		88	184	280	376	472
Trunk Ports ³		36/52	84/116	132/180	180/200	200/200
Station Ports		72	144	216	288	360
Digital Station Ports ⁴		72	144	216	288	360
Attendant Positions		8	8	8	8	8
Attendant Consoles		8	8	8	8	8
BLF Units		8	8	8	8	8
DSS Units		8	8	8	8	8
On-Premise SLTs		36	84	132	180	228
Off-Premise SLTs		4	8	12	16	20
Doorphones		71	143	215	287	359
Busy Bypass Units ⁵		36	72	108	144	180
Loop Start Trunks		36	84	132	180	200
Caller ID Trunks		36	84	132	180	200
Ground Start Trunks		32	80	128	176	200
E & M Tie Trunks		16	40	64	88	112
DID Trunks		16	40	64	88	112
IX-MSGU Message Cards		3	7	8	8	8
IX-EDVIF Cards ⁶		1	1	1	0	0
Conference Circuits		32	32	32	32	32
T1 Cards (IX-T1DTI)		2	4	6	8	8
ISDN BRI Cards (IX-2ICOTB)		4	10	16	22	28
ISDN PRI Cards (IX-ICOTP)		2	4	6	8	8

- This table lists the maximum quantity supported for each component type based on the type of power supply installed on the shelf. The combined total number of ports for each system is limited to the "Number of Ports" category of this table. The capacities listed are based on the total number of card slots available, software restrictions and the power consumption of each component.
- The combined number of Station, Trunk, and Misc ports may not exceed the number of ports listed in this category.
- First number indicates the maximum trunk ports when IX-T1DTI or IX-ICOTP cards are not utilized. The second number indicates the maximum number of trunk ports when IX-T1DTI and IX-ICOTP cards are utilized. Based on configuration and usage, actual numbers may be less.
- The maximum number of station ports per shelf may not exceed 72.
- When Busy Bypass Units are used, the total number of Digital Stations should not exceed these numbers.
- The IX-EDVIF card may only be installed in the first 3 shelves of the system. For additional serial card functions, IX-SCIF or IX-HCIF cards can be added based on available card slots and power consumption.

IX-PWSS and IX-PWSM Power Supplies ¹

This table lists the maximum capacities for up to three shelves of the ADIX APS with IX-PWSS or IX-PWSM power supplies.

System Power Supply	ADIX APS			
	IX-PWSS	IX-PWSM	IX-PWSM	IX-PWSM
Expansion Modules	0	0	1	2
Universal Card Slots	5	5	11	17
Number of Ports ²	52	72	136	200
Trunk Ports ³	28	32	80	128
Station Ports	32	32	80	120
Digital Station Ports	24	32	80	120
Attendant Positions	8	8	8	8
Attendant Consoles	0	8	8	8
BLF Units	0	8	8	8
DSS Units	8	8	8	8
On-premise SLTs	16	24	64	96
Off-premise SLTs	4	4	8	12
Doorphones	23	31	79	119
Busy Bypass Units ⁴	12	16	40	60
Loop Start Trunks	16	32	80	128
Caller ID Trunks	16	32	80	128
Ground Start Trunks	16	32	80	128
E & M Tie Lines	4	16	40	64
DID Trunks	4	16	40	64
Message Cards (IX-MSGU)	3	3	6	8
IX-EDVIFCards ⁵	1	1	1	1
Conference Circuits	8	8	8	8
T1 Cards ³	1	1	3	5
ISDN BRI Cards ³	3	3	6	9
ISDN PRI Cards ³	1	1	3	5
Shelf 1	1 IX-CML	IX-CML	IX-CML	IX-CML
Shelf 2			IX-EXPML1	IX-EXPML1
Shelf 3				IX-EXPML1
Configuration	IX-MEM-M	IX-MEM-M	IX-MEM-M	IX-MEM-M

1. This table lists the maximum quantity supported for each component type. The combined total number of ports for each system is limited to the "Number of Ports" category of this table. The capacities listed are based on the total number of card slots available, software restrictions and the power consumption of each component. It is recommended to use the ADIX Power Calculator Program to determine the exact power supply required.
2. The combined number of Station, Trunk, and Misc ports may not exceed the number of ports listed in this category.
3. Based on configuration and usage, actual numbers may be less.
4. When Busy Bypass Units are used, the total number of Digital Stations may not exceed these numbers.
5. For additional serial card functions, IX-SCIF or IX-HCIF cards can be added based on available card slots and power consumption.

Key Telephone Lamp Indications

Status	Lamp Indication
I-Use (Green)	Modulation Steady (On)
CO Incoming/Call Forward	0.1 sec. on, 0.9 sec. off
I-Hold (Green)	0.5 sec. on, 0.5 sec. modulated on
System Hold/Non-Privacy	0.1 sec. off, 0.3 sec. modulated on
Recall, ICM Incoming, MSG	0.7 sec. off, 0.3 sec. modulated on
DND	0.5 sec. on, 0.5 sec. modulated on
Busy	Steady (On)

Station Port Requirements

Model	Description	Ports Required
IX-ATT	Attendant Console	2
IX-BLF	Busy Lamp Field	1
IX-DCKT900	Digital Wireless Telephone	1 or shared with digital telephone
IX-DSS-A-2	50 DSS & 20 function keys with display	1
IX-12KTS-2	12 line keys (24 line keys with IX-12ELK)	1
IX-12KTD-2	12 line keys (24 line keys with IX-12ELK)	1
IX-12KTS-2 with IX-12ELK	24 line keys	1
IX-12KTD-2 with IX-12ELK	24 line keys with display	1
IX-VTA	Versa-Phone	1
IX-COMLINK	Data Module	1 or shared with digital telephone
IX-DDPH	Digital Doorphone	1

Time Parameters

Hold Recall Timer	0 - 255 seconds
Timed Trunk Queuing.....	1 - 20 minutes
Doorphone Answer Time	5 - 255 seconds
VSS Recording Time	0 - 120 seconds
Hunting Time.....	0 - 255 seconds
Night Mode Start Time.....	00:00 - 23:59
Auto CO Answer Start Time.....	00:00 - 23:59
MISC Relay Timer.....	10 - 255 milliseconds
DISA-Waiting Time.....	0 - 255 seconds

ADIX APS Features

System Features

Abandon Call Storage	E & M Tie Lines	Remote Call Forwarding
Automatic Answer	External Paging ☆	Remote Programming/Diagnostics ☆
Automatic Night Answer	Fixed Call Forwarding	SMDR ☆
Automatic Number Identification (ANI)	Flexible Numbering	System Alarm
Automatic Outside Line Answer	Flexible Ringing	System Announcements ☆
Automatic Outside Line Release	ICM Dialed Digit Masking	System Clock
Background Music	Internal Paging	System Speed Dial
Caller ID	ISDN Basic Rate Interface (BRI) Trunks	Text Messaging
Centralized Voice Mail Integration ☆	ISDN Primary Rate Interface (PRI) Trunks	T1 Trunks
Conversation Recording	Loud Bell Interface ☆	Toll Restriction
Data Communications	Master Hunt Groups	<i>Day/Night</i>
Delayed Ringing	Music On Hold	Tone/ Pulse Dialing
Dialed Number Identification Service (DNIS)	Networking	Trunk Interfaces
DID Alphanumeric ID	Optimized Routing	Uniform Call Distribution (UCD)
Direct Inward Dial (DID) Trunks	Personal Ringing Tones	Voice Mail/Automated Attendant
Direct Inward Line	Power Failure Backup Memory	Integration ☆
Direct Inward System Access (DISA)	Power Failure Backup System ☆	

Digital Telephone Features

Abandoned Call Storage	Call Pick-up	Headset Button
<i>Trunk Level</i>	<i>Direct Call Pick-up</i>	Headset Connection
<i>Station Level</i>	<i>External Group Call Pick-up</i>	Hold/Hold Recall
Absence Message Display	<i>Internal Group Call Pick-up</i>	Hot Line
Account Code	Camp-on	Howler Tone
<i>Forced</i>	Clear Call	In Use/ On Hold Indication
<i>Forced/Verified</i>	Conference	Last Number Redial
<i>Optional</i>	<i>Add-on</i>	Master Hunt Groups
All Attendants Call	<i>Multiline</i>	Memo Dial
Alphanumeric Display ☆	<i>Trunk-to-trunk (Unsupervised) ☆</i>	Message Waiting
Alternate Tone/Pulse Dialing	Consultation Hold	Microphone Cut-off
Autodial Unit ☆	Conversation Recording ☆	Off-hook Outgoing Call
Automatic Outside Line Answer/Hold	Delayed Ringing	Off-hook Outside Line Answering
Automatic Repeat Dialing	DID External Call Forwarding ☆	Off-hook Outside Line Queuing
Background Music ☆	Direct Outside Line Appearance	On-hook Dialing
Barge-in	Direct Station Selection/Busy Lamp	One Touch Optimized Key
Built-in Speakerphone	Field	Outside Line Call Restriction
Busy Bypass/Autodial Unit ☆	Distinctive Ringing	Outside Line Pick-up Restriction
Busy Bypass Tone Calling	<i>ICM/Outside Line</i>	Paging
Busy Bypass Voice Calling ☆	<i>Outside Line Calls</i>	<i>All Call</i>
Busy Intercom Callback	Do Not Disturb (DND)	<i>Group Call (Internal)</i>
Busy Number Callback	Enhances 911 Service	<i>Meet-me Page Answer</i>
Busy Outside Line Queuing	Exclusive Hold	<i>Zone (External) ☆</i>
Busy Overriding	Executive Override	Personalized Ringing
Call Coverage	Extension Number Display	Preset Dial/Backspace Dialing
<i>Delayed Ring</i>	External Call Forward	Prime Line Access
<i>Immediate Ring</i>	Feature Button Display	Privacy/Privacy Release
<i>No Ring</i>	Flash	Private Line
Call Forwarding	<i>Long</i>	Protected Station
<i>All Calls</i>	<i>Short (PBX/Centrex)</i>	Quick Mode Operation
<i>Busy/No Answer</i>	Flexible Key Assignment	Remote Call Forwarding ☆
<i>Follow Me</i>	Floating Outside Line Group Access	Remote Relay Control ☆
<i>No Answer</i>	Forced/ Verified Account Code	Ring Muting
Call Monitoring	Group Monitoring	Save Number Redial
Call Park	Group Park	Shift Call
Call Park/Swap	Hands-free Answerback on Intercom	

☆ optional ADIX or external equipment required

Digital Telephone Features (Cont.)

Speed Dial	System Announcement Message ☆	Transfer to Guest Mailbox
<i>Alphanumeric Scrolling</i>	Text Messaging	Transfer to Park
<i>Personal Speed Dial</i>	Time Reminder	Unanswered Incoming Outside Line
<i>Personal Speed Dial Registration</i>	Tone/Voice Calling	Warning Tone
<i>System Speed Dial</i>	Transfer	Universal Night Answer
Station External Ringer Connection ☆	<i>Screened</i>	Voice Mail Message ☆
Station Restriction Password	<i>Unscreened</i>	Whisper Page

Single Line Telephone Features

Account Code	Consultation Hold	<i>Meet-me Page Answer</i>
<i>Forced</i>	Delayed Ringing	<i>Zone Page (External) ☆</i>
<i>Forced/Verified</i>	Direct Outside Line Appearance	Preringing
<i>Optional</i>	Distinctive Ringing	Prime Line Access
All Attendants Call	External Call Forward	Private Line
Busy Intercom Callback	ICM/Outside Line	Protected Extension
Busy Number Callback	Do Not Disturb	Shift Call
Busy Outside Line Queuing	Flash	Speed Dial
Call Forwarding	<i>Long</i>	<i>Personal Speed Dial</i>
<i>All Calls</i>	<i>Short (PBX/Centrex)</i>	<i>Personal Speed Dial Registration</i>
<i>Busy/No Answer</i>	Floating Outside Line Group Access	<i>System Speed Dial</i>
<i>Follow Me</i>	Forced/ Verified Account Codes	Station Restriction Password
<i>No Answer</i>	Group Park	System Announcement Message ☆
Call Park	Hold/Hold Recall	Tone/Voice Calling
Call Park/Swap	Hot Line	Transfer
Call Pick-up	Howler Tone	<i>Screened</i>
<i>Direct Call Pick-up</i>	Intercom (ICM)	<i>Unscreened</i>
<i>External Group Call Pick-up</i>	Last Number Redial	Transfer to Park
<i>Internal Group Call Pick-up</i>	Master Hunt Groups	Unanswered Incoming Outside Line
Camp-on	Message Waiting	Warning Tone
Clear Call	Off-hook Outgoing Call	Universal Night Answer
Conference	Off-hook Outside Line Queuing	
<i>Add-on</i>	Paging	
<i>Multiline</i>	<i>All Call</i>	
<i>Trunk-to-trunk (Unsupervised)</i>	<i>Group Call (Internal)</i>	

Attendant Console Features (in addition to Digital Telephone)

Abandoned Call Clear	Clock Set/Adjustment	Station Call Forward/Do Not Disturb
Alarm Clear	Direct Station Selection	Release
Attendant Automatic Hold	Flexible Night Answer	Station Class Restriction Change
Attendant Override	Incoming Call Termination	Station Forced Release
Automatic Answer Mode	Message Waiting Control	Station Lock
Busy Lamp Field ☆	Night Mode	System Announcement Recording ☆
Call Forwarding	Operator Call	System Speed Dial Registration
<i>All Calls</i>	Operator Priority	System Text Message Registration
<i>Busy/No Answer</i>	Overflow Transfer	Through Dialing
<i>No Answer</i>	Ring Muting	Trunk Access Control
Call Intercept	Serial Call	Trunk Forced Release
Call Swap		

Hotel/Motel Features

Intercom Call Restriction	Property Management System (PMS) Interface ☆	Wake-up Call
Message Waiting Control	Room Status	Wake-up Call Report

Computer Telephony Features ☆

TAPI (Telephony Application Programming Interface)

TSAPI (Telephony Server Application Programming Interface)

ACD Features ☆

System

ACD Group Expansion
 Call Sequence Table
ACD Group Forward
Delay
Disconnect
Extension Forward
Go To
Hunt Group Forward
Message
Music On Hold
No Operation
System Speed Dial
Forward
 Day/Night Call Routing
 Priority Change Timer
 Priority Levels
8 Levels
 Priority Level Assignments
ACD Groups
Agents
Extensions
Trunks
 Longest Idle Agent Routing

Agent

Agent Answering Priority
3 Levels
 Agent Log-in
Dual Group Log-in
Group Log-in
 Call Park/Swap
 Emergency Recording ☆
 Help
 Not Available
Automatic/Manual
 Qualification
 Queue Indication
 Wrap-up
Automatic/Manual
Time Extension

Supervisor

ACD Group Night
 ACD Supervisor Log-in
 ACD Supervisor Programming
 Barge-in
 Call/Agent Monitoring
 Call Sequence Table Number
 Change
 Message Recording ☆
 Queue Indication

Reports ☆

Electronic Display Board
3 colors: red, amber, green
 Historical Reports
Standard/Custom
Filters/User Defined
Filters
Scheduling
User Defined Fields
 Real Time Reports
Color Monitor

TASKE® ACD Toolbox Component Features

Basic

ACD Collector
 ACD Monitor
 Init
 Database
 Maintenance

Intermediate

ACD Collector
 ACD Monitor
 Init
 Database
 Maintenance
 Daily Summary and Reports
 Weekly Summary and Reports
 Monthly Summary and Reports
 Iwatsu Search
 Sign II
 Desktop Sign *

Advanced

ACD Collector
 ACD Monitor
 Init
 Database
 Maintenance
 Daily Summary and Reports
 Weekly Summary and Reports
 Monthly Summary and Reports
 Iwatsu Search
 Sign II
 Export to Export II
 Year-to-Date Summary and Reports
 Year-by-Month Summary and Reports
 Forecasting
 Reports II
 Traffic Toolkit
 ACD Replay
 Desktop Sign *

*optional component available with the TASKE®
 ACD Toolbox Network Version only

☆ optional ADIX or external equipment required

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