

## **AX SERIES**

Integratable Audio & Video Security











Versatile Intercom Communication for *any* Security Demand

# COMPLETE S E C U R I T Y



# **AX SERIES**

gives you the power to...



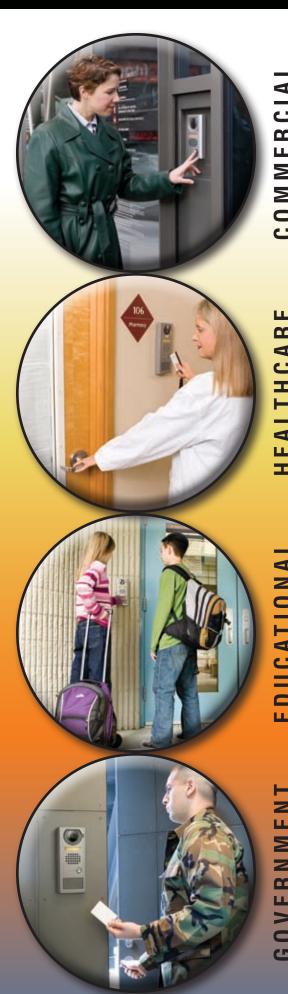
entry security and regulate access into a building



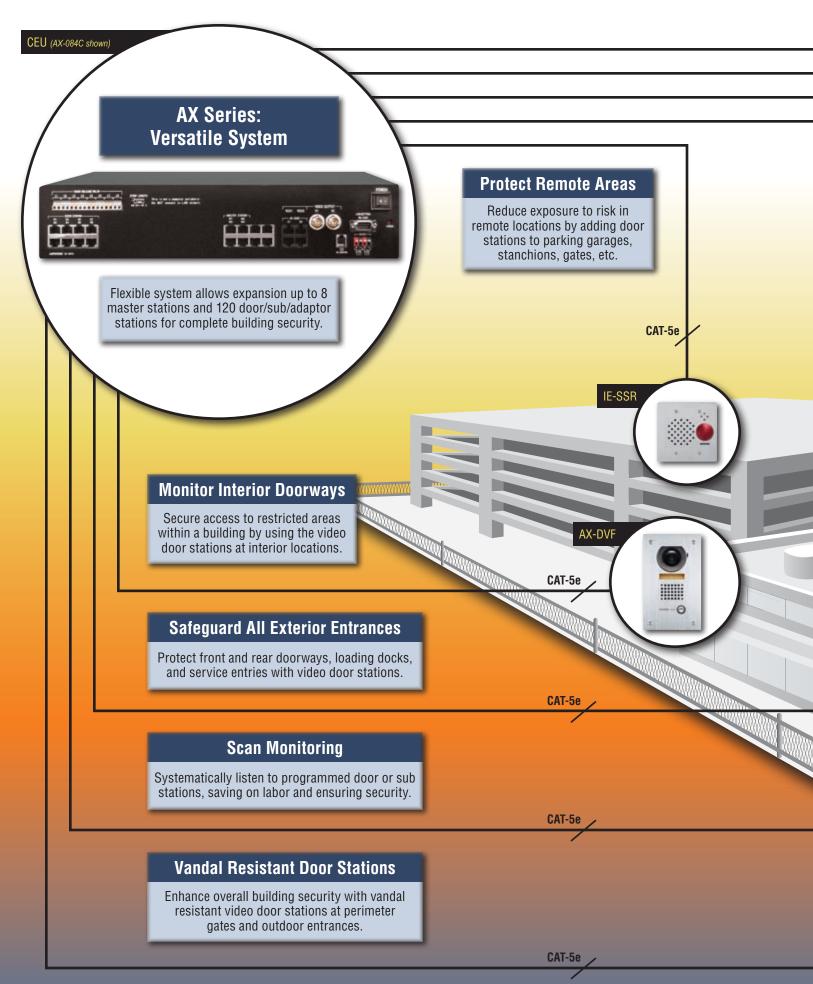
easily and efficiently while keeping your facility secure

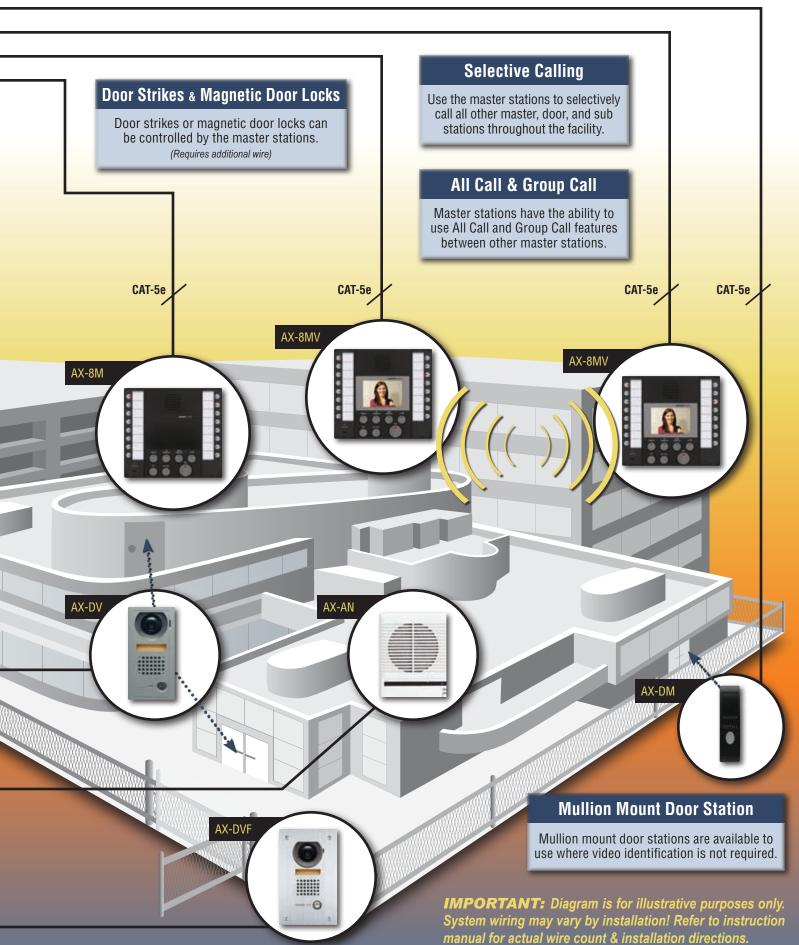
## CONFIRM

identity with crisp audio and clear, up-close video

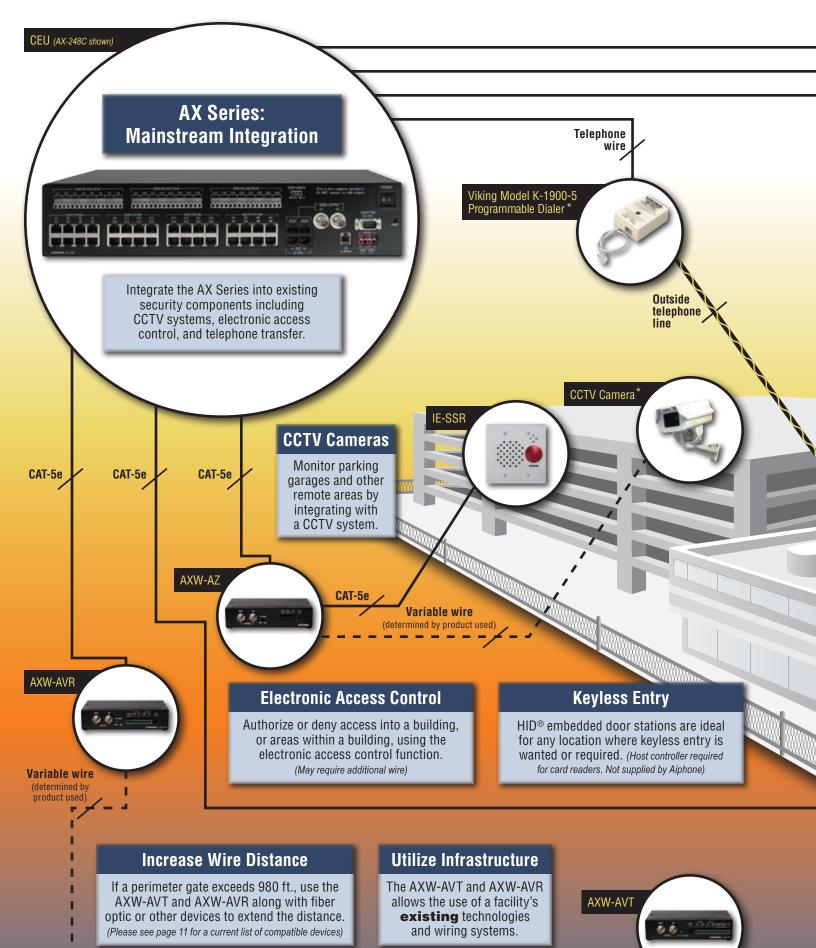


# SYSTEM LAYOUT: STANDARD

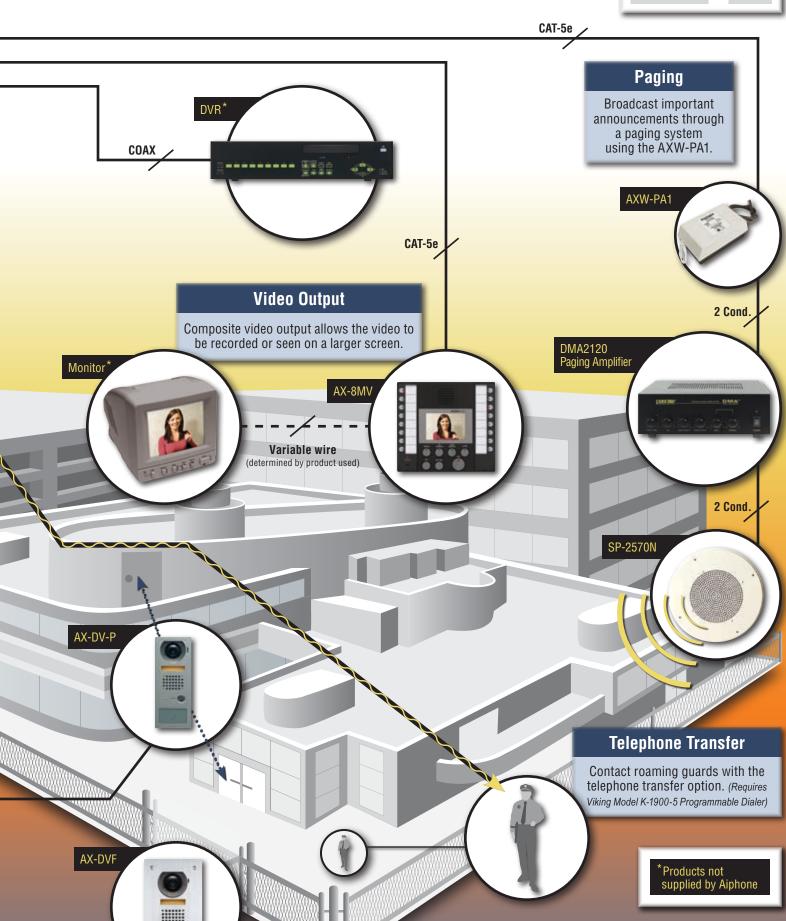




# SYSTEM LAYOUT: NTEGRATED



8



CAT-5e

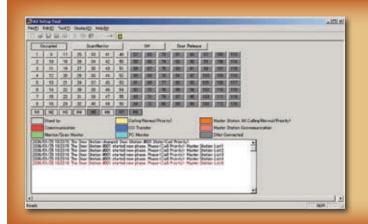
**IMPORTANT:** Diagram is for illustrative purposes only. System wiring may vary by installation! Refer to instruction

manual for actual wire count & installation directions.

# Basic Installation When the need is for basic and affordable security communication, the AX Series is ideal. Its easy installation and user-friendly programming will not only save on time, but cost as well. A wide variety of door and substations, combined with sleek and sturdy master stations, will provide a system that is versatile, comprehensible, and simple to use.

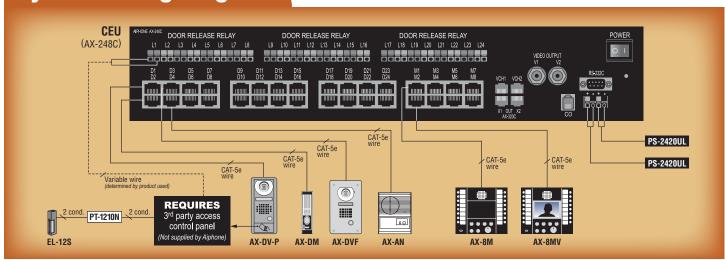
NOTE: Power supplies not shown. For a fully integrated installation, see the system software example on the next page.

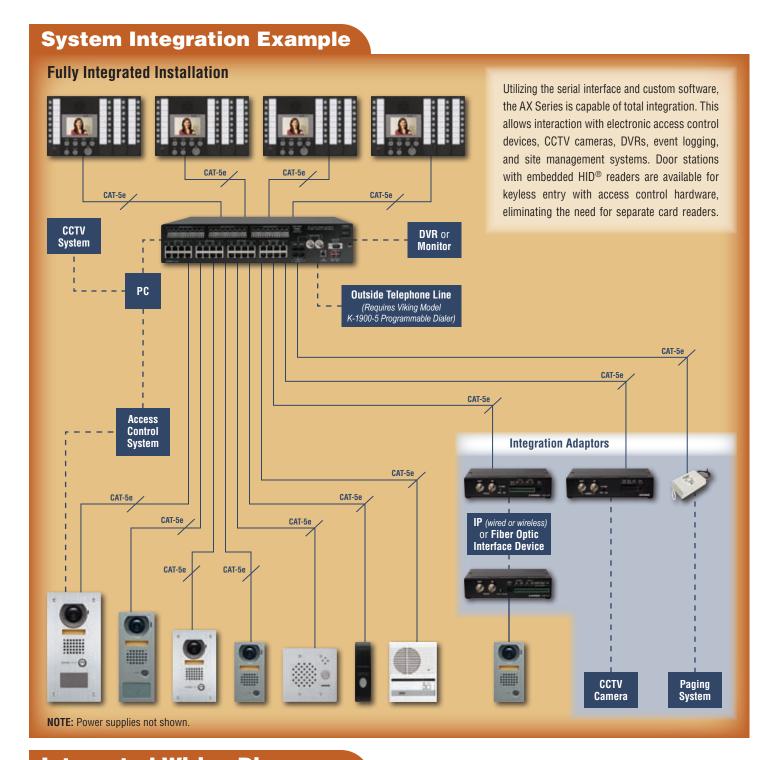
#### **System Software**

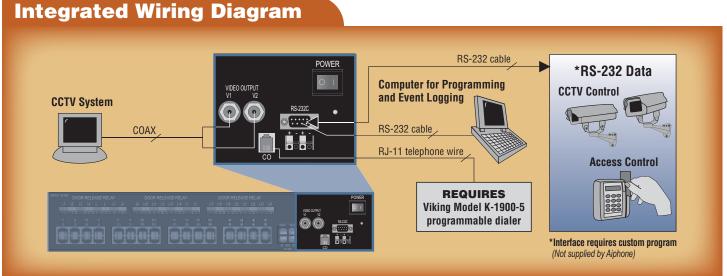


Features and functions are programmed using the custom software, included with the CEU. It is intuitive to use and allows you to set individual door stations' call-in length (10 seconds to 10 minutes, or infinite), call-in priority levels, scan monitoring inclusion, and door release relay activation and timing. In addition, the software features an easy to use interface for gathering log data, setting the communication method at the master (VOX or PTT), and data up/down loading.

## **System Wiring Diagram**







#### **Central Exchange Unit**



AX-084C (Shown)
Central Exchange
Unit for 8 doors
and 4 masters

#### **AX-248C**

Central Exchange Unit for 24 doors and 8 masters

#### **AX-320C**

Add-on Exchange Unit for 32 doors

- RJ-45 connectors for master and door stations
- Composite video output (BNC)
- RS-232 serial output
- Selective door release (Programmable to N/O or N/C)
- CCTV and access integration
- PC programmed
- Rack mountable (2U)

#### **Master Stations**



#### **AX-8MV**

Color Video Master Station, wall or desk mount



#### **AX-8MV-W**

WHITE Color Video Master Station, wall or desk mount (Up to max. of 8 door stations and 8 master stations)



#### **AX-16SW**

16-Call Add-on Selector



#### M8-XA

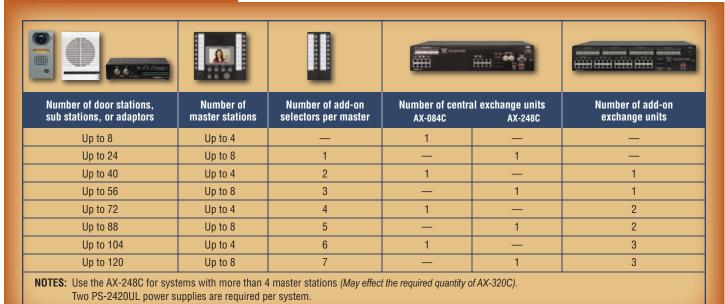
Audio Only Master Station, wall or desk mount

- 3.5" color TFT LCD monitor (AX-8MV & AX-8MV-W only)
- Hands-free (VOX) or push-to-talk (PTT) communication
- All Call to master stations
- Scan monitoring
- Selective door release
- Privacy and mute functions
- Connection for headset and footswitch

## Channels for additional door stations

 Aesthetically matches AX-8M and AX-8MV (Not recommended for the AX-8MV-W)

## **Component Matrix**



#### **Door Stations**

#### Weather & Vandal Resistant Video Door Stations -**Surface Mount**



#### AX-DV

Fixed Color Video Door Station. aluminum die cast. surface mount



#### AX-DV-P

Fixed Color Video Door Station with HID® ProxPoint® Plus Card Reader, aluminum die cast, surface mount



#### AX-DV-XP

Fixed Color Video Door Station with embedded Stand-Alone Card Reader and host controller, aluminum die cast, surface mount

# Flush Mount



#### **AX-DVF**

Fixed Color Video Door Station, stainless steel. flush mount



**Weather & Vandal Resistant Video Door Stations -**

#### AX-DVF-P

Fixed Color Video Door Station with embedded HID® ProxPoint® Plus Card Reader, stainless steel, flush mount



#### AX-DVF-XP

Fixed Color Video Door Station with embedded Stand-Alone Card Reader and host controller, stainless steel, flush mount

#### **Weather Resistant Audio Only Door Stations -**Surface Mount



Audio Door Station. plastic cover, mullion surface mount



#### IF-DA

Audio Door Station, plastic cover, surface mount



#### **IE-DC**

Audio Door Station, plastic and aluminum cover, surface mount

#### **Weather & Vandal Resistant Audio Door Stations -**Flush Mount



**IE-SS** 

Door Station. stainless steel, flush mount



#### **IE-SSR**

Door Station with a red mushroom call button, stainless steel, flush mount

#### **Weather Resistant Audio Only Door Station -**Flush Mount



#### IE-JA

Door Station, stainless steel faceplate. flush mount

#### Weather & Vandal Resistant CCTV Camera Audio **Door Station - Flush Mount**



Door Station with a built-in CCTV camera, stainless steel, flush mount (Requires AXW-AZ)

#### **Sub Stations**



#### AX-A

mount

Sub Station, plastic cover. surface mount

AX-AN (Shown) Privacy Sub Station, plastic cover, surface

#### AX-B

Sub Station. plastic cover, semi-flush mount

#### **AX-BN**

Privacy Sub Station, plastic cover, semi-flush mount

#### **Integration Adaptors**

#### Approved Devices for AXW-AVT & AXW-AVR Manufacturer Model Type

AFI (American Fibertek) MT/MR -1890 Fiber Optic Fiber Optic Infinova N3732TA-M / N3732RA-M Meridian Technologies ST / SR-1W2A2C2G / 2A2C2G-X Fiber Optic

**NOTE:** The list of approved devices (above) is subject to change. For an updated list, please contact Aiphone Technical Support (Mon.-Fri., 6:00am-4:30pm) at (800) 692-0200 or e-mail tech@aiphone.com.



AXW-AZ

**CCTV** Camera Input Module



**AXW-PA1** 

**Paging Adaptor** 



AXW-AVT

Door Station IP or Fiber Optic Transmission Interface Unit



#### AXW-AVR

Door Station IP or Fiber Optic Reception Interface Unit

## **AX Series** - Options & Accessories



Includes keypad (XRP3), programming cards, and 10 blank

entry cards (XC5T9)



**HID-SS** Accessory Station with an embedded HID® ProxPoint® Plus Card Reader





**ICP-AB** Antique Brass Faceplate for IE-JA



SBX-2G Surface Mount Box for HID-SS. IE-JA, IE-SS. IE-SSR, or IE-SSV



SBX-2BH Horizontal Surface Mount Box for HID-SS and IE-JA, IE-SS, IE-SSR, or IE-SSV



SBX-2BV Vertical Surface Mount Box for HID-SS and IE-JA, IE-SS, IE-SSR, or IE-SSV



SBX-AXDV30 30° Angle Box for AX-DV



SBX-AXDVF Surface Mount Box for AX-DVF



**ICP-BR** 

for IE-JA

Brass Faceplate

SBX-DVF-P Surface Mount Box for AX-DVF-P and AX-DVF-XP



Electric Door Strike, 12V AC/DC, 200mA (Requires PT-1210N)



IER-2 **Call Extension** Speaker



**External Signaling** Relay (Requires SKK-620B)



MCW-S/A Master Station Desk Stand



RY-24L Form C Door Release Relay (1 per door)

#### **Unit Dimensions**

MODEL	HEIGHT	WIDTH	DEPTH	MODEL	HEIGHT	WIDTH	DEPTH	MODEL	HEIGHT	WIDTH	DEPTH
AX-084C	3-7/16"	18-7/8"	13-3/16"	AX-DV-P	9-5/8"	3-15/16"	1"	IE-SSR	4-3/4"	4-3/4"	2"
AX-248C	3-7/16"	18-7/8"	13-3/16"	AX-DVF-P	11-5/8"	5-3/4"	1-7/8"	IE-SSV	4-3/4"	4-3/4"	2"
AX-320C	3-7/16"	18-7/8"	13-3/16"	AX-DV-XP	9-5/8"	3-15/16"	1"	AX-A	7-1/16"	5-5/8"	2-3/16"
AX-8M	6-7/8"	7-5/8"	1-7/8"	AX-DVF-XP	11-5/8"	5-3/4"	1-7/8"	AX-AN	7-1/16"	5-5/8"	2-3/16"
AX-8MV	6-7/8"	7-5/8"	1-7/8"	AX-DM	6-5/16"	1-11/16"	7/8"	AX-B	8-3/16"	6"	1-15/16"
AX-8MV-W	6-7/8"	7-5/8"	1-7/8"	IF-DA	5-1/8"	3-7/8"	1-1/8"	AX-BN	8-3/16"	6"	1-15/16"
AX-16SW	6-7/8"	3-3/8"	1-7/8"	IE-DC	5-5/16"	4"	1-11/16"	AXW-AZ	1-5/8"	7"	4"
AX-DV	7-11/16"	3-15/16"	1"	IE-JA	4-1/2"	4-9/16"	1-3/16"	AXW-AVT	1-5/8"	7"	4"
AX-DVF	9-11/16"	5-3/4"	1-7/8"	IE-SS	4-3/4"	4-3/4"	2"	AXW-AVR	1-5/8"	7"	4"

#### **Specifications**

Power source 24V DC - Use two PS-2420UL Tremolo and LED 10~600 secs. (programmable) or infinite

Push TALK button to reply, communication Communication times out in 30~600 secs. (programmable)

Video Monitor 3-1/2" direct view TFT color LCD

Camera 250,000 pixels Scanning Line 525 lines

Door Release Programmable N/O or N/C dry contact,

24V AC/DC, 500mA max.

Use RY-24L for larger contact rating

Wiring Homerun CAT-5e wire to CEU Distance Door stations to CEU: 980'

CEU to master stations: 980'

CEU to master stations: CAT-5e Wire type Video Door stations to CEU: CAT-5e IE door stations to CEU: CAT-5e

#### **System Features**

- · CAT-5e wiring homerun from each station
- Up to 8 masters and 120 doors/subs/adaptors
- · Two talk channels
- · Hands-free (VOX) or push-to-talk (PTT) communication
- · Selective calling between masters and from masters to door/sub stations
- Masters available with 3-1/2" color TFT LCD monitor
- Composite video output from CEU and video masters
- · Normal or priority call levels
- Scan monitoring

- · Data output on CEU provides custom integration capability with CCTV and access control systems\*
- PC programmable with a large variety of settings
- All Call or Group Call to master stations
- · Compatible with IE and IF Series door stations
- Transfer calls to an outside phone line (requires Viking Model K-1900-5 programmable dialer)
- · Optional Features: Headset, footswitch, call transfer to telephone, and PC remote control\*
- \*Interface requires custom program (not supplied by Aiphone)

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