

amroad

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# PRODUCT CATALOG

•

2014/2015

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THE AMROAD SYSTEM  
THE PRODUCT PORTFOLIO

# CATALOG 2014/2015

## INDEX

About Amroad	3
The Amroad System	4
Product Line-Up	10
Amroad P9	14
Amroad P3	22
Amroad XL	31
Amroad DP3210	38
Amroad DP101	44
Amroad DP100	49
Amroad ID5101	55
Amroad VP	58
Amroad I/O Controller	64
Amroad POES6530	68
Amroad IX-Series	72



# ABOUT AMROAD

## AMROAD AT A GLANCE

Amroad develops IP solutions that facilitate life in modern communities. Amroad's products deliver unobtrusive technology, clever functionalities, and simple user experiences.

## AMROAD'S HISTORY

Since its first video-entry phone, Amroad exclusively focused on SIP-based devices, developing expertise in Asia where high-rise residences have been thriving.

Located in Taipei, Amroad's team knows exactly how it feels to live in communities and leverages on this shared experience to design and engineer products that perfectly fit residents' needs, expectation and ambitions.

# THE AMROAD SYSTEM

THE AMROAD SYSTEM IS A FULLY IP PLATFORM  
CREATED FOR RESIDENCES AND COMMUNITIES

## ALL FUNCTIONS IN ONE SYSTEM

The Amroad System integrates — via SIP/IP technologies — video entry system, access control, technical alarms, and basic video surveillance.

Even for multi-residence compounds, system integrators don't have to install separate systems for each function anymore.

## DESIGNED FOR COMMUNITIES

All features of the Amroad System, from the location of a simple button to the design of a complex interface, are made to assist tenants, lobby staff and community managers in their daily life routine.

When all the parts of the Amroad System work together, they provide innovative, useful user experiences tailored for communities.

## FUTURE ORIENTED

Thanks to their digital nature, all elements of the system are constantly improved and updated and new functions are added.

The Amroad System is a platform that can be upgraded and expanded any time.

The Amroad System supports adding, updating, replacing products as community needs changes.

## A SIP-BASED SYSTEM

The Amroad System is a fully digital system based on the SIP protocol.

SIP technology transmits voice, video, text and data all together.

In 10 years, SIP has become an accepted open protocol widely used worldwide ensuring excellent reliability and interoperability.

## ONE WIRE SOLUTION

Wiring the Amroad System is incredibly straight forward to execute.

The SIP protocol is transmitted by only one Ethernet wire, drastically simplifying installations and maintenance.

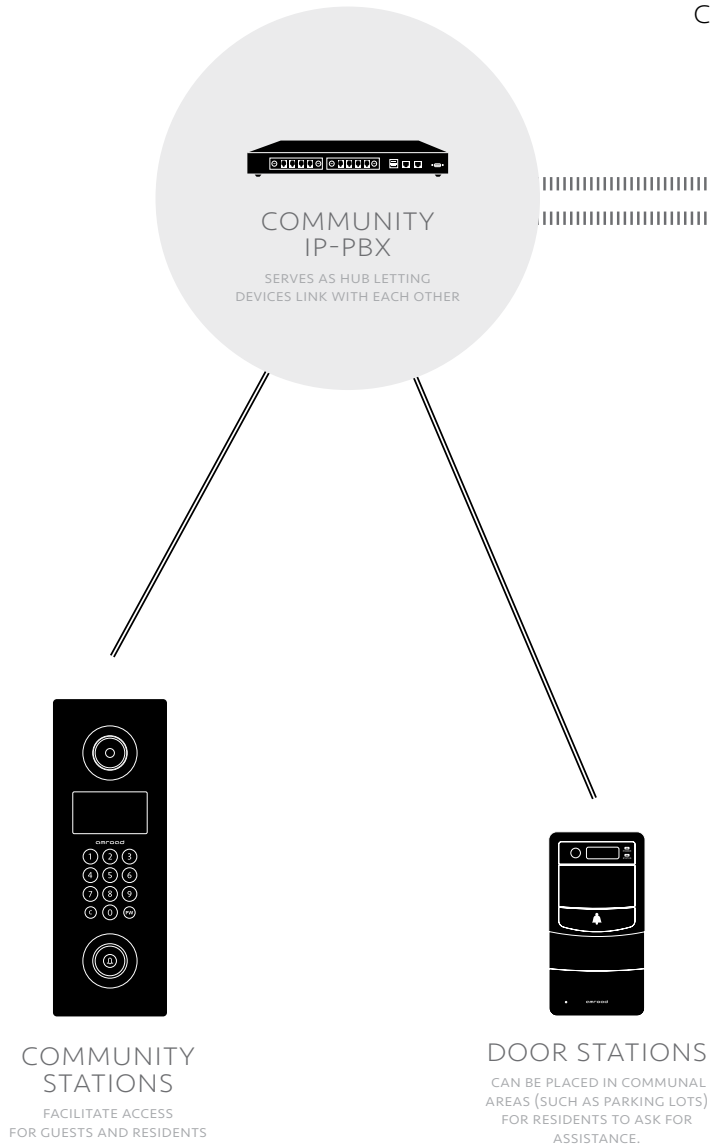
Moreover, Amroad SIP devices are capable of using Power over Ethernet (PoE), which allows them to receive electrical power, along with data over the same cable.

## UNLIMITED DEVICES INFINITE DISTANCES

Amroad devices are networked thru hubs that give an expandability covering all imaginable applications: from skyscrapers to multi-blocks communities, the number of users has no limits. Moreover, the distance between them is not limited anymore, becoming virtually infinite (with optical fibers).

In addition, in FTTH communities, the Amroad System leverages on existing optical fibers to minimize deployment costs.

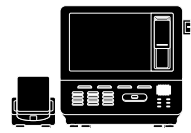
## COMMUNITY NETWORK



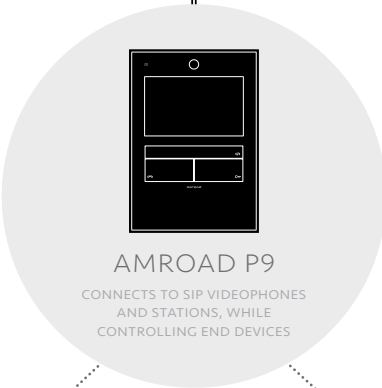
HOME  
NETWORK



**DOOR STATIONS**  
PERMIT AUDIO-VIDEO CONNECTIONS,  
REMOTE DOOR OPENING, AND  
KEYLESS ENTRY



**SIP PHONES**  
RECEIVE AND MAKE  
AUDIO / VIDEO CONNECTIONS



**DOORBELL  
BUTTONS**  
MONOSTABLE SWITCHES  
CAN BE USED AS DOORBELLS



**EMERGENCY  
BUTTONS**  
NOTIFY EMERGENCY  
SITUATIONS







PRODUCT  
LINE UP

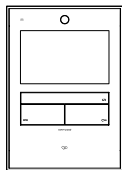
# PRODUCT LINE-UP

YEAR 2014/2015

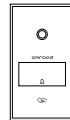
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## PRECISION LINE

SIMPLE & CLEVER  
INDOOR DEVICES



AMROAD P9  
HOME STATION

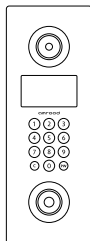


AMROAD P3  
DOOR STATION

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## X·SERIES

ELEGANT YET SOLID  
OUTDOOR DEVICES



AMROAD XL  
COMMUNITY STATION

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## BASIC LINE

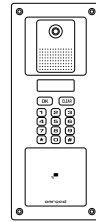
A LINE OF ENTRY-LEVEL  
SIP PRODUCTS



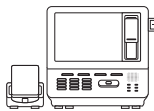
AMROAD DP3210  
DOOR STATION



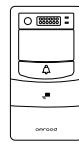
AMROAD ID5101  
ALL-IN-ONE HOME STATION



AMROAD DP100  
ENTRANCE STATION



AMROAD VP  
VIDEO DOOR PHONE



AMROAD DP101  
DOOR STATION

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## AUXILIARY PRODUCTS

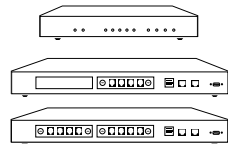
COMPLEMENTARY PRODUCTS  
FOR A COMPLETE SYSTEM



AMROAD  
I/O CONTROLLER  
CONTROLLER



AMROAD  
POES6530  
POE SWITCH



AMROAD  
IX-SERIES  
IP-PBX FAMILY WITH 3 PRODUCTS





PRECISION  
LINE

# AMROAD P9

## HOME STATION

Amroad P9 is Amroad's most advanced home station, created to be home's main interaction point.

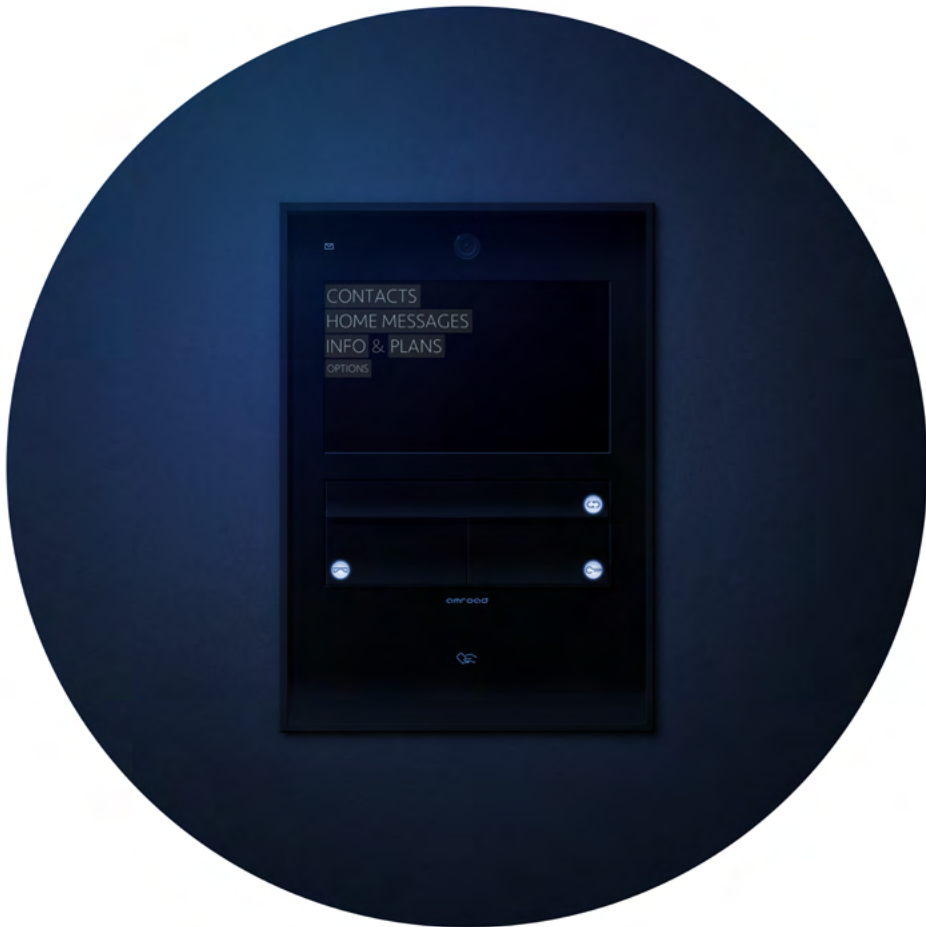
Its 7" touch screen displays a neat user interface completed by the backlit jumbo keys that make frequent actions practical and handy also at night.





# A COMMUNICATION NETWORK AT HAND

COMMUNICATION & NOTIFICATION FEATURES





ENTRYPHONE  
WITH CALL PREVIEW

Once connected to doors, gates and entrances, Amroad P9 can be programmed to open door through controlled locks. Before answering a call, Amroad P9 will display a live video feed of the caller. Call preview permits residents to decide if they want to ignore the caller completely without him knowing.



VIDEO COMMUNICATION WITH  
COMMUNITY MEMBERS & NEIGHBORS

Color camera along with hidden microphone and speakers turns Amroad P9 into a video phone able to make video and audio calls with community members and neighbors.



A CONTACT LIST  
OF THE WHOLE COMMUNITY

The "Contacts" section contains the community phone book, a place for residents to easily find and call each other. This avoids having to get others personal home phone number or going through community management to contact someone.



COMMUNITY INFO & PLANS

Amroad P9 features two dedicated sections: Community Info and Community Plans.

Bulletin boards, community regulations and waste collection plans are available directly on the device. Community managers don't need to print and deliver such information into letter boxes anymore.



HOME MESSAGES

Tenants who want to leave a message to other people living in the house can record a video clip. Addressees are alerted that one or more home messages are available thanks to a luminous icon and on-screen notifications.



MEDICAL EMERGENCY ALARM

When emergency buttons are pressed, the Medical Emergency Alarm delivers recorded message to user-defined contacts. This approach allows residents to contact only trusted people who hold the keys of their apartment and are aware their medical condition (relatives, neighbors, concierge...).

# HANDY, CLEAR.

PRACTICAL FEATURES THAT ENHANCE  
CONVENIENCE AND EASE OF USE



## CALL DIFFERENTIATION

With Amroad P9, it is possible to assign different sounds to calls coming from neighbors and to entrance requests coming from door stations. A variety of custom ringers and ringtones can be uploaded allowing users to choose their favorite sound.

## QUICK CONNECTION BOARD

Press the Talk Key for a visual list of the most relevant contacts.

This function offers fast access to lobby, people and public places without going through menus and long phonebooks.

## SYSTEM TRAY

Hold the Tray key to pull a full summary of the residence at a glance.

Residents can assess the whole condition of their homes from one page, get detailed malfunctioning report and take immediate actions.

# BLACK & WHITE

## COLOR OPTIONS AND ACCESSORIES



AVAILABLE IN BLACK AND WHITE

All Black (product NO: CPW7000-FM-BA)  
Pure White (product NO: CPW7000-FM-WH)

Both colors come in mirror finishing.

All Amroad P9's parts are made of polycarbonate (PC): a shock-resistant thermoplastic material which is also shatter-proof, halogen-free and UV-resistant.

CONNECTING I/O END DEVICES: AMROAD I/O CONTROLLER

Amroad P9 can be associated to an Amroad I/O Controller in order to connect to end devices.

Regular wall switches can be used to ring the bell without the need of additional SIP doorphones.

One or more push buttons can be used to start a medical emergency request from any place inside the house.



# TECHNICAL DETAILS

## AMROAD P9

PRODUCT NO	LANGUAGES	SIP VERSION	
CPW7000-FM-BA (All black - High Gloss)	Device language: English, Traditional Chinese (user selectable)	SIP 2.0 - RFC3261	
CPW7000-FM-WH (Pure white - High Gloss)	Web server language : English, Traditional Chinese (user selectable)		
PORTS	POWER SUPPLY	SCREEN & CAMERA	VIDEO CODEC
1 × RJ45 port for use with 10/100 Ethernet wire	12V DC – 2A Input	7" touch panel Resolution: 800 × 480 pixels Format: 15:9	H.264 (supporting VGA resolution) H.263 (supporting CIF resolution) MPEG4 video codec
1 × 12V DC power input	PoE (Power Over Ethernet)	VGA color camera with 80° / F3.0 glass lens	AUDIO CODEC
			G.711 μ audio codec
WARRANTY	DEVICE DIMENSIONS	PACKAGE CONTENTS	ACCESSORIES
2-year warranty	W 200 × H 284 × D 47 mm (protruding 7 mm when mounted)	1 × Unit 1 × Cover panel Screws, terminal blocks, etc.	Flush-Mounting Wallbox can be purchased separately in two different version: - Bulk packaging with 12 pcs Product no: CPWAS9130B - With individual packaging Product no: CPWAS9130G

# AMROAD P3

DOOR STATION  
FOR COMMUNITIES

Amroad P3 is a door station exclusively designed for indoor spaces of condominiums and high-rise buildings where it finds its ideal location next to doorways along corridors.





# UNEXPECTED SURPRISE

LIGHT & ATMOSPHERE



#### INTEGRATED RFID READER

As opposed to regular protruding invasive access devices, Amroad's RFID reader is discreetly hidden in the panel and allows tenants to enter without keys.

#### UPLIGHT LAMP AND ATMOSPHERE

An LED lamp uses reflected light to create a cozy, nestling atmosphere that warmly welcomes visitors and aids their identification.

#### REPLACEABLE FRONT PANEL

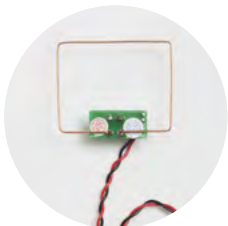
The removable front panel can be mounted when construction works are finished in order to avoid scratches and paint drops. For a change of look, residents can replace only the front panel, evading the need to buy a whole new device.



F2.0 CAMERA WITH  
GLASS LENS FOR  
CLEAR IMAGES



CONCEALED  
SPEAKER FOR BETTER  
APPEARANCE AND  
HYGIENE



HIDDEN AND  
DISCREET RFID  
SCANNING AREA

UPLIGHT WITH  
WHITE LED LIGHTS



HIDDEN MICROPHONE  
DOESN'T ACCUMULATE DUST



JUMBO BELL  
BUTTON CONFERS  
A DISTINGUISHING  
CHARACTER TO THE  
DEVICE

# BLACK & WHITE

## COLOR OPTIONS



PURE WHITE  
HIGH GLOSS



ALL BLACK  
HIGH GLOSS

### AVAILABLE IN TWO COLOURS

All Black · High Gloss  
Pure White · High Gloss

### MATERIALS

All Amroad P3's parts are made of polycarbonate (PC): a shock-resistant thermoplastic material which is also shatter-proof, halogen-free and UV-resistant.

# TECHNICAL DETAILS

## AMROAD P3

PRODUCT NO	LANGUAGES	SIP VERSION	RFID READER
DB3100R-AU-BA (All black - High Gloss)	Device's vocal messages language: English, Traditional Chinese	SIP 2.0 - RFC3261	MIFARE ISO / IEC 14443 - TYPE A (valid for all Amroad's devices)
DB3100R-AU-WH (Pure white - High Gloss)	Web server language: English		

PORTS	POWER SUPPLY	AUDIO CODEC	VIDEO CODEC
1 × RJ45 port for use with 10/100 Ethernet wire	12V DC - 1A INPUT	G.711 a/μ audio codec	H.263 video codec
1 × 12V DC power input	PoE (Power Over Ethernet)		
2 × Digital Input (DI) 2 × Digital Output (DO) (enabled by Amroad upon request)			

WARRANTY	DEVICE DIMENSIONS	PACKAGE CONTENTS	ACCESSORIES
2-year warranty	W 110 × H 200 × D 52 mm (protruding 7 mm when mounted)	1 × Unit 1 × Cover panel 1 × Relay board 1 × RFID card Screws, terminal blocks, tools.	Flush-Mounting Wallbox can be purchased separately in two different version:  Bulk packaging with 12 pcs: Product NO: DBAS9130B  With individual packaging Product NO: DBAS9130G





# X-SERIES



PRESS THE BELL TO CONNECT  
OR PRESS 'C' TO DELETE

12 | 8

FLOOR UNIT

1	2	3
4	5	6
7	8	9
C	0	PW



# AMROAD XL

## COMMUNITY STATION

### AN OVERVIEW

Amroad combines user-friendly functions with contemporary design in its latest community station. Superior workmanship and quality make the Amroad XL distinctively attractive yet incredibly solid.

### A COMPLETE STATION

Amroad XL is an audio-video station for communities. Equipped with a wide angle camera, LCD colour screen and RFID reader, this panel represents an impressive greeting point for guests and a pleasant daily place for residents.

### CONTEMPORARY YET CLASSIC

The elegance, clarity and materials of this flush mounted device creates a sophisticated design statement. However, behind the contemporary look, lies a classic soul embodied by its bell button resembling traditional doorbells.



# A QUALITY STATEMENT

FROM MATERIALS TO USER INTERFACE DESIGN



## OUTSTANDING MATERIAL QUALITY

The 5 mm thick front panel, CNC machined from solid aluminium, is extremely tough and durable.

Each external part has been accurately sealed resulting in an IP55 certified station.

## FLUSH MOUNT WITHOUT SCREWS

Amroad XL is flush-mounted to the wall thanks to a hidden mechanism. The resulting look is cleaner because there are no visible screws. The device is harder to temper with because only a special tool can lock and unlock it.

## UNIVERSALLY ACCESSIBLE

Large words in high contrast are combined with special audio feedbacks to make the interface comfortably legible and usable by everybody: the elderly and those with visual or hearing limitations can easily use a fully digital door phone without effort.

# POLES OF ATTRACTION

LIGHT & CAMERA / BELL & RFID READER

CAMERA + LIGHT



DAY · NIGHT

BELL + RFID READER



DAY · NIGHT

## PRACTICAL LIGHTING

The backlit keypad and “bell” button ensure optimal usability at night. The circular light around the camera aids tenants in identifying who is calling. In addition, the large color Blanview LCD screen ensures perfect legibility even under direct sunlight.

## DIRECTLY CONNECTS WITH THE LOBBY

It is now possible to directly connect with porter services (or building security) by simply pressing the “bell” button: an essential function for delivery services, guests and tenants not carrying an access card.

## RFID KEYLESS ACCESS

At Amroad, we think that security must not compromise convenience and aesthetics. This is why Amroad XL features an invisible RFID reader that allows residents to enter their home card without troublesome keys and avoiding bulky access devices.

12 WHITE LED LIGHTS  
ILLUMINATE THE  
SUBJECT IN FRONT OF  
THE CAMERA

THE CAMERA WITH  
F2.0 GLASS ALLOWS  
GREAT VIDEO QUALITY  
IN ALL LIGHTING  
CONDITIONS

4.3" BLANVIEW LCD  
SCREEN FEATURES  
IMPRESSIVE CONTRAST  
ALSO UNDER  
DIRECT SUNLIGHT

DISCRETE  
MICROPHONE UNDER  
CAMERA



BACKLIT KEYPAD AND  
BELL BUTTON ALLOW  
CONNECTIONS BY  
CODE OR ADDRESS

THE HIDDEN RFID  
READER ALLOWS  
KEYLESS ACCESS.  
TENANTS WILL  
SCAN OVER THE  
PROTRUDING  
SCANNING ZONE

2 CONCEALED SOUND  
EXITS ON BOTH THE  
SIDES FOR CLEANER  
APPEARANCE AND  
CLEAR VOICE QUALITY

MOUNTED WITHOUT  
SCREWS AND REQUIRES  
A SPECIAL TOOL TO BE  
REMOVED

# TECHNICAL DETAILS

## AMROAD XL

PRODUCT NO	LANGUAGES	SIP VERSION	RFID READER
DP3010R-FM-NC	Device Language: English, Traditional Chinese  Web Server language: English	SIP 2.0 - RFC3261	MIFARE ISO / IEC 14443 - TYPE A (valid for all Amroad's devices)
PORTS	POWER SUPPLY	SCREEN	VIDEO CODEC
1 × Ethernet RJ45 port for use with 10/100 Ethernet wire  1 × 12V DC power input  1 × Lock-control output 2 × Digital Input (DI) 1 × Digital Output (DO)	12V DC – 2A input  PoE (Power Over Ethernet)	4.3" Blanview (very high contrast also under direct sunlight)	H.263 video codec
WEATHERING	WARRANTY	CAMERA	AUDIO CODEC
IP55 certified	2-year warranty	Color camera with F2.0 glass lens 105° viewing angle	G.711 a/μ audio codec
WEATHERING	WARRANTY	DIMENSIONS	PACKAGE CONTENTS
IP55 certified	2-year warranty	W 155 × H 410 × D 51.5 mm (protruding 6 mm when mounted)	1 × Unit 1 × Metal wall box 1 × Relay board 1 × RFID card Screws, terminal blocks, tools.





BASIC  
LINE

# AMROAD DP3210

RUGGED & FUNCTIONAL

Amroad DP3210 is a rugged, robust  
and compact door station.  
Built with functionality in mind, Amroad DP3210 is an  
affordable product that offers surprising video  
performance and speech quality.





# FUNCTIONAL

IN A COMPACT FORM FACTOR



#### ESSENTIAL, AFFORDABLE

Amroad DP3210 represents a cost-effective solution for SIP systems. Amroad DP3210 is a functional, essential door station that allows for guests to start a video call with a simple touch of the “bell” button.

#### LIGHTED CAMERA

Amroad DP3210 has a wide-angle color camera flanked by 16 LED light for night use and dim locations. Amroad DP3210 can be placed indoors everywhere access control is needed such as gyms, storage rooms, laundry rooms and car parks.

# ROCK SOLID

## MONOBLOCK ARCHITECTURE



### DIECAST ALUMINIUM MONO-BLOCK

The mono-block architecture makes Amroad DP3210 incredibly robust and tough. The aluminium diecasting confers substantial solidity and durability while the subsequent CNC machining provides excellent precision and finishing.

### COMPACT DESIGN

Amroad DP3210 is the smallest of Amroad's surfaced mounted door phones. Its petite stature measures only 100 by 115 mm and does not distract the eye. The ideal compact design in addition to an easy surface mounting allows Amroad DP3210 to go perfectly within community spaces.



# TECHNICAL DETAILS

## AMROAD DP3210

### PRODUCT NO

DP3210-WM-MB

Finishing: brushed-metal

### LANGUAGES

Device's vocal messages language:  
English

Web server language: English

### SIP VERSION

SIP 2.0 - RFC3261

### PORTS

1 × RJ45 port  
for use with 10/100 Ethernet wire

1 × 12V DC power input

### POWER SUPPLY

12V DC - 1A Input

PoE (Power Over Ethernet)

### AUDIO CODEC

G.711 a/μ audio codec

### VIDEO CODEC

H.263 video codec

### WEATHERING

IP55 certified

### WARRANTY

2-year warranty

### DIMENSIONS

W 100 × H 115 × D 32 mm

### PACKAGE CONTENTS

1 × Unit

1 × Mounting bracket

Screws, terminal blocks,  
connectors and mounting tools

# AMROAD DP101

## NO-FRILLS DOOR STATION

Amroad DP101 is a simple surface-mount door station featuring audio-video communication and RFID reader. Thanks to its neutral style, Amroad DP101 is suitable for a number of applications including community public spaces and offices.



SIMPLE YET COMPLETE  
DOOR STATION

Amroad DP101 is a simple surface-mount door station featuring audio-video communication and RFID reader.

Despite its complete range of features, Amroad DP101 is an economical solution for large projects that require many door stations.

PERFECT FOR COMMON AREAS OF  
COMMUNITIES

Amroad DP101 fits perfectly in situations that require simple solutions.

It is ideal next to doors of community shared facilities and offices; parking lots and garbage collection areas; storage rooms and basements.

TRUSTABLE  
INTEROPERABILITY

Amroad DP101 has been designed to work also with third party equipment.

Over the past few years, it has been extensively tested for compatibility and many clients around the world purchased it for a wide range of SIP applications.



# TECHNICAL DETAILS

## AMROAD DP101

PRODUCT NO	LANGUAGES	SIP VERSION	RFID READER
DP101R-WM-US-WH (with RFID reader)	Device's vocal messages language: English, Traditional Chinese	SIP 2.0 - RFC3261	MIFARE ISO/IEC 14443 · TYPE A (valid for all Amroad's devices)
DP101-WM-US-WH (without RFID reader)	Web Server language: English		

PORTS	POWER SUPPLY	AUDIO CODEC	VIDEO CODEC
1 × RJ45 port 1 × 100~240V AC power input  4 × Digital Input (DI) 3 × Digital Output (DO)	100~240V AC input  PoE (Power Over Ethernet)	G.711 a/μ audio codec	H.263 video codec

WEATHERING	WARRANTY	DIMENSIONS	PACKAGE CONTENTS
IP55 certified	2-year warranty	W 120 × H 230 × D 47 mm	1 × Unit 1 × Mounting bracket 1 × Relay board 1 × RFID card  Screws, terminal blocks, connectors and mounting tools





# AMROAD DP100

ENTRANCE STATION

Amroad DP100 is a flush mounted audio-video entrance station that combines sturdiness and affordability.

Equipped with color camera, RFID reader and numerical keypad, Amroad DP100 is an ideal entry level device for SIP-based systems at every entrance around buildings and communities.

# COMMUNITY-INSPIRED

## OVERVIEW



### ENTRY LEVEL VOICE + VIDEO STATION

The fully functioning color camera and microphone allows for secure entry permissions.

The wide angle glass lens camera surrounded by IR lights (for night use and dimly lit locations) allows any resident, front desk or security office to clearly identify who is in front of the Amroad DP100.

Noise-free communication is achieved thanks to the built-in echo suppressor and to the possibility to set the loudspeaker volume.

### WHERE TO USE IT

The ideal placement for the Amroad DP100 are locations where people frequently transit such as gates, major entrances, covered car parks, and community amenities.

Amroad DP100 greatly reduces the duplication of keys and provides community management staff, maintenance personnel and residents, 24 hour access to community facilities.

### RESIDENT-INSPIRED RFID ZONE

The intuitive layout of the Amroad DP100 is designed for communities that use RFID technologies as the main method of entry.

The RFID scanning zone is clearly defined as a large surface at the base of the station allowing for residents to quickly scan their tags and gain entry.

Residents can use any RFID enabled tag they already own, reducing the amount of objects to carry around.

# AN ESSENTIAL ENTRANCE STATION

## KEY FEATURES



### STRONG EXTERIOR

Amroad DP100 has a flat front panel made of anodized aluminum that makes it durable, rust-resistant, and easy to clean.

### LIGHT CONDITIONS DETECTION

Amroad DP100 also has a color camera that senses light conditions. Hence, at night only, LEDs light visitors while calling. Guests can easily dial different unit codes of residents they are seeking to start a video phone call with the help of backlit keys.

### FLUSH-MOUNTED

Amroad DP100 lays flush to the wall with no protruding wall box or mounting hardware showing. The 4 security screws make it difficult for vandals to remove the panel.

INFRARED LIGHTS  
ALLOW A BETTER  
VISION IN LOW LIGHT  
SITUATIONS

F2.0 CAMERA WITH  
GLASS LENS ALLOWS  
FOR LUMINOUS  
IMAGE CAPTURING

FRONT SPEAKER  
UNDER CAMERA

TEXT DISPLAY  
INCREASES  
EASE OF USE

BACKLIT KEYPAD TO  
LIGHT KEYS AT NIGHT

RFID READER WITH  
LARGE SENSITIVE  
AREA FOR EASY  
SCANNING

SECURITY SCREWS  
FOR ENHANCED  
SECURITY



# TECHNICAL DETAILS

## AMROAD DP100

PRODUCT NO	LANGUAGES	SIP VERSION	RFID READER
DP100-25-DC-MX	Device language: English, Traditional Chinese  Web server language: English	SIP 2.0 - RFC3261	MIFARE ISO / IEC 14443 - TYPE A (valid for all Amroad's devices)
PORTS	POWER SUPPLY	AUDIO CODEC	VIDEO CODEC
1 × RJ45 port for use with 10/100 Ethernet wire  1 × 12V DC power input  1 × Lock-control switch 2 × Digital Input (DI) 2 × Digital Output (DO) 1 × RS485 (enabled by Amroad upon request)	12V DC - 2A	G.711 a/μ audio codec	H.263 video codec
WEATHERING	WARRANTY	DIMENSIONS	PACKAGE CONTENTS
IP54 certified	2-year warranty	W 150 × H 370 × D 54 mm (protruding 4 mm when mounted)	1 × Unit 1 × Metal wall box 1 × RFID card Screws, terminal blocks, tools.



# AMROAD ID5101

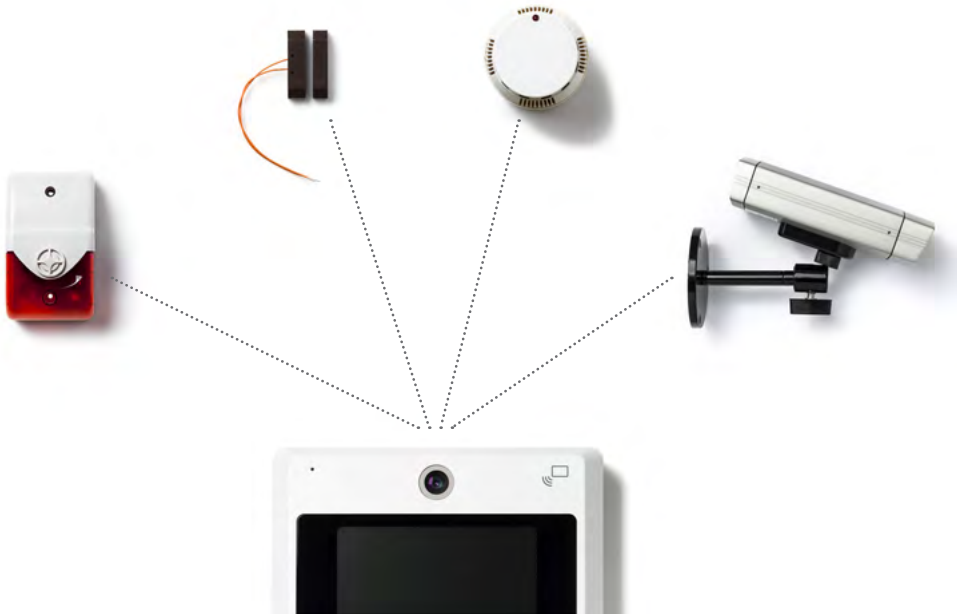
AN ALL-IN-ONE,  
ENTRY-LEVEL HOME STATION

Amroad ID5101 is designed to make home automation available to everyone: audio-video communication associated with safety and security functions are made affordable resulting in a perfect solution for a wide range of residences including condominiums and independent houses.



# A COMPREHENSIVE HOME STATION

MULTI-PURPOSE



## SIP DOORPHONE + VIDEOPHONE

Although communicating with visitors and opening doors are the primary functions of Amroad ID5101, the integrated camera and microphone permit tenants to video call to other tenants and community management.

## SEPARATE AREA ALARMS WITH RFID ACTIVATION

Residents can quickly arm and disarm the alarm function by simply swiping an RFID reader without need for passwords. Up to 4 alarm sensors\* can connect directly to any Amroad ID5101 allowing to monitor up to 4 different zones.

\* sensors not included

## VIDEO SURVEILLANCE WITH SIP CAMERAS

Amroad ID5101 connects up to 12 SIP cameras\*. Turning on a live feed of any camera with only a few clicks gives tenants the ability to completely scan the environment from one location.

\* cameras not included

## GAS, CARBON MONOXIDE AND SMOKE DETECTION

Amroad ID5101 integrates the ability to constantly monitor air quality by external sensors\* directly connected to the system. The device will automatically notify the presence of carbon monoxide (CO), smoke and methane.

\* not included third-party sensors are required

# TECHNICAL DETAILS

## AMROAD ID5101

PRODUCT NO	LANGUAGES	SIP VERSION	RFID READER
<b>ID5101-FF-US-LB</b> (English interface / English inscriptions printed on buttons)	<b>Device available in English and Traditional Chinese</b>	<b>SIP 2.0 - RFC3261</b>	<b>MIFARE ISO / IEC 14443 - TYPE A</b> (valid for all Amroad's devices)
<b>ID5101-FF-CT-LB</b> (Traditional Chinese interface / English inscriptions printed on buttons)	<b>Web server language: English</b>		
PORTS	POWER SUPPLY	SCREEN	VIDEO CODEC
<b>1 × RJ45 port</b> for use with 10/100 Ethernet wire	<b>12V DC - 2A input</b>	<b>5" LCD color screen</b>	<b>H.263 video codec</b>
<b>1 × 12V DC power input</b>	<b>PoE (Power Over Ethernet)</b>		
<b>8 × Digital Input (DI)</b> <b>4 × Digital Output (DO)</b> (enabled by Amroad upon request)			AUDIO CODEC
			<b>G.711 a/μ audio codec</b>
WARRANTY	DIMENSIONS	PACKAGE CONTENTS	
<b>2-year warranty</b>	<b>W 174 × H 240 × D 37 mm</b>	<b>1 × Unit</b>	
		<b>1 × Metal bracket</b>	
		<b>2 × Relay board</b>	
		<b>Screws, terminal blocks, tools</b>	

# AMROAD VP

## VIDEO DOOR PHONE

Equipped with an orientable camera, LCD color screen and receiver, Amroad VP is a video door phone that represents a convenient desktop solution for every type of residence: from communities to independent houses from home offices to shared areas of condominiums.



# VERSATILE

IN ALL ASPECTS



## DUAL USE

Based on the traditional phone design, Amroad VP combines a video phone for entry stations while doubling as an SIP phone that makes and receives regular calls.

As a video door phone, Amroad VP allows users to check the identity of those seeking admittance both visually and verbally.

## HANDSET / HANDS FREE

Amroad VP can be used hands-free or with a receiver that ensures more privacy and a clearer sound quality.

Amroad VP can be placed anywhere that is convenient such as living rooms or home offices, front desks or management offices.

## ERGONOMIC DESIGN

The LCD screen can be tilted to watch a live video feed from connected video door phones in a comfortable position.

The swivelling camera allows to better capture faces of people of all heights.

# TECHNICAL DETAILS

## AMROAD VP

PRODUCT NO	LANGUAGES	SIP VERSION	COLOR
<b>VP115-PW-US-BL</b> English lang./without adapter	<b>Device language:</b> English, Traditional Chinese	<b>SIP 2.0 - RFC3261</b>	<b>Anthracite</b> (for unit and handset)
<b>VP115-PW-EU-US-BL</b> English lang./Schuko plug adapter	<b>Web server language:</b> English		
<b>VP115-PW-US-US-BL</b> English lang./US plug adapter			
<b>VP115-PW-US-CT-BL</b> Tr. Chinese lang./US plug adapter			
PORTS	POWER SUPPLY	SCREEN	VIDEO CODEC
1 × WAN - RJ45 port 1 × LAN - RJ45 port for use with 10/100 Ethernet wire	12V DC - 2A input  PoE (Power Over Ethernet)	Tilttable 5" LCD screen	H.263 video codec
1 × 12V DC power input			AUDIO CODEC
1 × USB port			G.711 a/μ audio codec
1 × 3.5mm audio in/out			
WARRANTY	DIMENSIONS	PACKAGE CONTENTS	
Amroad VP is covered by a 2-year warranty	W 175 × H 180 × D 180 mm (without handset)	1 × Unit 1 × Handset 1 × Power adapter	





AUXILIARY  
PRODUCTS



# AMROAD I/O CONTROLLER

## I/O CONTROLLER

Amroad I/O Controller connects end devices such as doorbells and emergency buttons to Amroad P9.

Amroad I/O Controller has been designed aiming to reduce the space usually taken by home automation equipment. We think that apartments, especially small ones, should host the smallest structured wiring cabinets without sacrificing quantity and quality of system functions.



# COMPACT

## KEY FEATURES



### 12 DIGITAL INPUTS/8 DIGITAL OUTPUTS

Featuring 12 Digital Inputs and 8 Digital Outputs, Amroad I/O Controller is designed to cover all possible needs of people living in small to large apartments.

### COMPACT DESIGN

Measuring only 174×240×37 mm, Amroad I/O Controller helps in drastically reducing the dimension of structured wiring boxes. Moreover, incorporating dry contacts into the controller itself, it allows for a further reduction of wiring, making installation cleaner, quicker and more precise.

### DIN RAIL QUICK MOUNTING

Amroad I/O Controller can be directly mounted onto the structured wiring surface or conveniently snapped onto a DIN rail.

According to available space, installers can select either horizontal or vertical mounting.

# TECHNICAL DETAILS

## AMROAD I/O CONTROLLER

PRODUCT NO	INSTALLATION	COMPATIBILITY	
IOCB6730-WM-WH	Performed using Amroad Configurator  Amroad Configurator Languages: English, Traditional Chinese	Compatible only with Amroad P9	
PORTS	INTEGRATED DRY CONTACT	POWER SUPPLY	LIMITATIONS
1 × RJ45 Port  1 × 12V DC power input  12 × Digital Input (DI) 8 × Digital Output (DO)  1 × RS485 Port (not supported by the current firmware version)	<ul style="list-style-type: none"><li>· One independent dry contact per digital output</li><li>· Switching Capacity 5A @ 24V DC per digital output</li><li>· NO/NC selected via software</li></ul>	12V DC – 1A	Maximum amount of controllers: up to 3 controllers per Amroad P9  Maximum distance from controller to device/switch: 30m
	WARRANTY	DIMENSIONS	PACKAGE CONTENTS
	2-year warranty	W 160 × H 110 × D 22 mm	1 × Unit 2 × DIN rail clip 20 × Terminal block (2-pin) 1 × Terminal block (3-pin) Screws and other accessories

# AMROAD POES6530

POE SWITCH

Amroad POES6530 is a PoE switch designed to connect up to 4 devices to the home network.

It is an economical product that makes deployment, management and maintenance of an home network quicker, more convenient, more reliable. The absence of fans and its compact form-factor make this switch ideal for deployment in apartments and small houses.



# FEATURES

## AMROAD POES6530

### AUTO-MDI/MDI-X & AUTO-NEGOTIATION

Every port can automatically sense your type of cable, so there is no need for crossover cables.

Every port can automatically sense if the connected network devices are running at 10Mbps or 100Mbps and Half/Full-Duplex mode, and adjust accordingly.

### NON-BLOCKING

This switch receives and forwards traffic seamlessly with its non-blocking wire-speed. Every port simultaneously supports up to 200Mbps of bandwidth in full-duplex mode. This feature provides full wire speed to the connected devices and allows you to run a smooth network.

### STORE&FORWARD

By adopting the Store&Forward transmission method, Amroad POES6530 can maximize the network performance while minimizing the propagation of bad network packets.

### COMPACT FORM FACTOR

Amroad POES6530 features a small form factor that allows to reduce the space taken into wall enclosures and by wall enclosures.

### FANLESS CONTRUCTION

Amroad POES6530 is a fanless switch that operates in total silence avoiding to disturb tenants also in the smallest studio apartments.

# TECHNICAL DETAILS

## AMROAD POES6530

PRODUCT NO	PLUG OPTIONS	ENCLOSURE		
POES6530-IN British plug	European Plug – CEE 7/7 hybrid Schuko	Metal Enclosure  Color: Black		
POES6530-US US plug	US Plug – NEMA 5-15R			
POES6530-EU Schuko plug	Indian Plug – BS 546-5A			
PORTS	POWER INPUT	POWER CONSUMPTION	STANDARDS	
1 × RJ45 (10/100 Mbps Base TX)	DC 48V / 1.45A	70W max shared among 4 PoE ports  30W max for a single poe port	IEEE 802.3AF IEEE 802.3AT IEEE 802.3 10 BASE T IEEE 802.3U 100 BASE TX IEEE 802.3X FLOW CONTROL	
4 × RJ45 PoE/PSE (10/100 Mbps Base TX – POE/PSE)	POWER OUTPUT			
	DC 48V			
TRANSMISSION MEDIA	FILTERING/FORWARDING RATES	BANDWIDTH	DATA RAM BUFFERING	
10BaseT Cat. 3, 4, 5 UTP/STP	148,800 pps for 100Mbps port  14,880 pps for 10Mbps port	Dedicated full-duplex 200Mbps bandwidth	Buffer Memory: 384Kb	
100BaseTX Cat. 5 UTP/STP				
WARRANTY	DIMENSIONS	PACKAGE CONTENTS		
1-year warranty	Device: W 97 × H 130 × H 24 mm  Power Adapter: W 60 × H 150 × D 31 mm	1 × Unit  1 × Power adapter  1 × Power cord		



# AMROAD IX-SERIES

## IP-PBX

Amroad IX-Series are a set of Internet Private Branch Exchanges (IP-PBX) that can be integrated into the Amroad System.

Amroad provides 3 different products that range in sizes to best fit the plant being created.

Each IP-PBX serves as a hub for devices to connect to each other within the community, the apartment, to other IP-PBXs and also to external phone lines.



IX 6030



IX 6031



IX 6033

# FEATURES

## AMROAD IX-SERIES

All the models of the series have the same features. Differences between models are specified in the Technical Details.

### SIP STANDARD PROTOCOL

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SIP PROTOCOL - RFC3261

### OTHER PROTOCOLS

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Real-time transport protocol

Payload for comfort noise (RFC3389)

NAT traversal support stun (RFC3489)

SDP - Session Description Protocol (RFC2327)

### OPERATION FEATURES

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3-layer Interactive Voice Responses (IVR)

Voice mail with e-mail notification

Direct line to extension / DID to extension

Direct Line by called number / DID by number

Direct Line by group / DID by group

Call Detail Record (CDR)

User registration status display

Caller ID detection

Active call monitor

Unconditional / unavailable / busy call forward

Per calling number forward and rejection

Do Not Disturb

Direct inward dialing (DID)

Group-based call pick-up

Call parking

Call transfer / call hold / call waiting

Configurable music on hold

Hot-key to operator

### NETWORK FEATURES

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Auto BAT discovery and traversal

RTP proxy / RTP port range designation

DHPC server with multiple partitions

Firewalling on predefined services

Support QOS

Virtual server/DMZ

Static LAN routing

DNS forwarder and dynamic DNS

### CODECS

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G.711 64K bit/s (PCM)

G.723.1 6.3K / 5.3K bit/s

G.726 16K/24K/32K/40K bit/s

G.729a 8K bit/s

H261, H263, H264, MPEG-4, MJPEG

### VOICE

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Voice Activity Detection (VAD)

Comfort Noise Generation (CNG)

Acoustic Echo Cancellation (AEC)

Line Echo Cancellation (LEC)

### DEVICE MANAGEMENT

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Web server language: English

# TECHNICAL DETAILS

## AMROAD IX-SERIES

PRODUCT NO	IX6030	IX6031	IX6033
EXTENSION NUMBERS	30	200	100
CONCURRENT SESSIONS	10	50	30
SIP TRUNKS	5	50	25
SERIAL PORT (RS232)	1	1	1
WAN (RJ45)	1	1	1
LAN (RJ45)	4	1	1
POTS	2FXO + 2FXS	SEE BELOW	SEE BELOW
PCI SLOTS		2	2
USB 2.0	1	2	2
COLOR	BLACK	BLACK	BLACK
DIMENSIONS (MM)	W300 × D155 × H38	W443 × D315 × H44	W443 × D315 × H44

### PRODUCT NO

IX6030-202-UK-US-BL  
English lang./British plug adapter

IX6030-202-US-US-BL  
English lang./US plug adapter

IX6030-202-EU-US-BL  
English lang./Schuko plug adapter

IX6030-202-US-CT-BL  
Tr. Chinese lang./US plug adapter

### WARRANTY

IX-Series products are covered by a 1 year warranty

IX6031-UK-US-BL  
English lang./British plug adapter

IX6031-US-US-BL  
English lang./US plug adapter

IX6031-EU-US-BL  
English lang./Schuko plug adapter

### POWER SUPPLY

12VDC – 2A

IX6033-UK-US-BL  
English lang./British plug adapter

IX6033-US-US-BL  
English lang./US plug adapter

IX6033-EU-US-BL  
English lang./Schuko plug adapter

### PACKAGE CONTENTS

1 × Unit  
1 × Power adapter (100–240V)  
1 × Bracket for wall-mounting

### OPTIONS

IX6031 and IX6033 come with 2 PCI slots. Clients can also purchase one additional pci board to reach the maximum amount of ports (8).

PCI boards are available in 4 different configurations:

- A ..... 4 FXO ports
- B ..... 4 FSX ports
- C ..... 2 FXO + 2 FSX ports
- D ..... 8 FXO ports

## NOTES

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