amroad

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AMROAD CATALOG

·

2014/2015

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THE AMROAD SYSTEM
PRODUCT PORTFOLIO

CATALOG
2014/2015

INDEX

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 expandibility 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

COMMUNITY
IP-PBX

SERVES AS HUB LETTING
DEVICES LINK WITH EACH OTHER

COMMUNITY
STATIONS

FACILITATE ACCESS
FOR GUESTS AND RESIDENTS

DOOR STATIONS

CAN BE PLACED IN COMMUNAL
AREAS (SUCH AS PARKING LOTS)
FOR RESIDENTS TO ASK FOR
ASSISTANCE.

HOME
NETWORK

HOME IP-PBX

CONNECTS DEVICES
IN THE RESIDENCE TO
THE REST OF THE COMMUNITY

DOOR STATIONS

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

SIP PHONES

RECEIVE AND MAKE
AUDIO / VIDEO CONNECTIONS

AMROAD P9

CONNECTS TO SIP VIDEOPHONES
AND STATIONS, WHILE
CONTROLLING END DEVICES

DOORBELL
BUTTONS

MONOSTABLE SWITCHES
CAN BE USED AS DOORBELLS

EMERGENCY
BUTTONS

NOTIFY EMERGENCY
SITUATIONS

PRODUCT LINE UP

PRODUCT LINE-UP

YEAR 2014/2015

PRECISION LINE

SIMPLE & CLEVER
INDOOR DEVICES
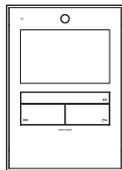
AMROAD P9

HOME STATION
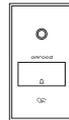
AMROAD P3

DOOR STATION

X·SERIES

ELEGANT YET SOLID
OUTDOOR DEVICES
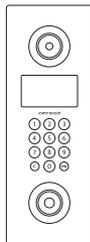
AMROAD XL

COMMUNITY STATION

BASIC LINE

A LINE OF ENTRY-LEVEL
SIP PRODUCTS

AMROAD DP3210

DOOR STATION

AMROAD ID5101

ALL-IN-ONE HOME STATION
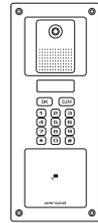
AMROAD DP100

ENTRANCE STATION
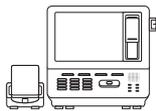
AMROAD VP

VIDEO DOOR PHONE
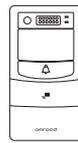
AMROAD DP101

DOOR STATION

AUXILIARY PRODUCTS

COMPLEMENTARY PRODUCTS
FOR A COMPLETE SYSTEM

AMROAD I/O CONTROLLER

CONTROLLER
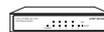
AMROAD POES6530

POE SWITCH
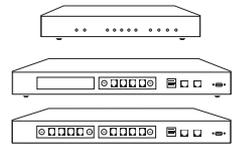
AMROAD IX-SERIES

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
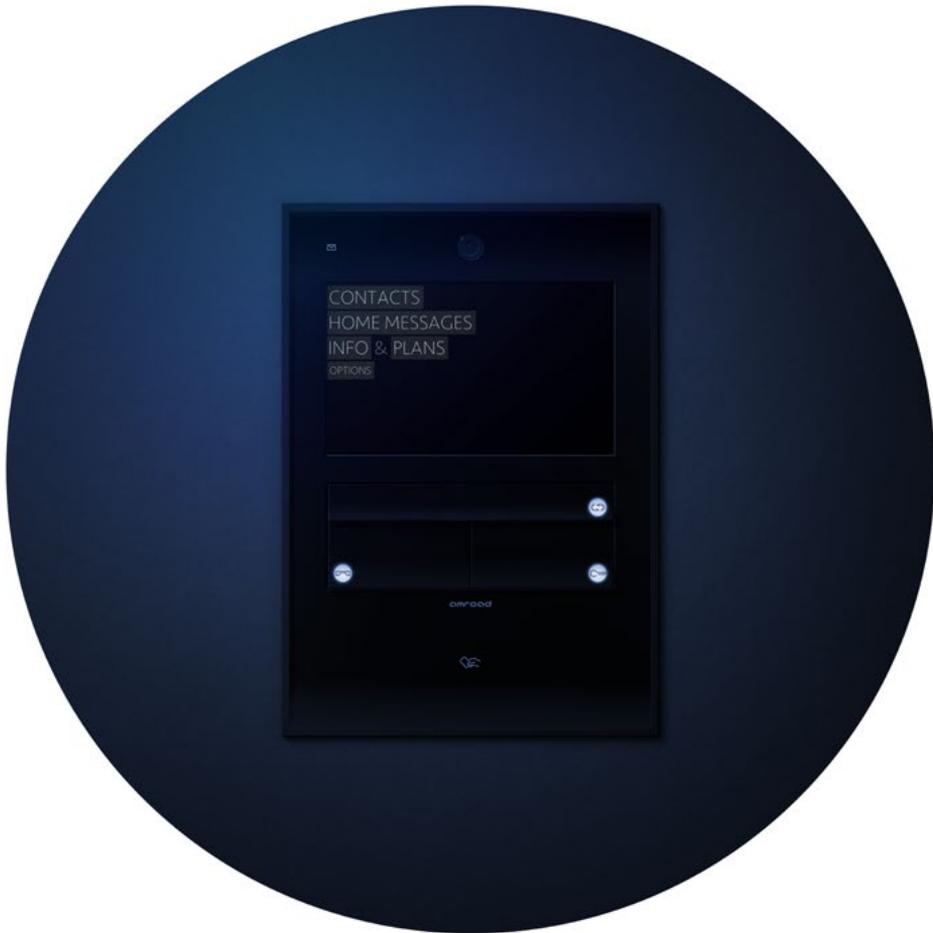
**ENTRYPHONE
WITH CALL PREVIEW**

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 ENCHANCE
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 mulfunctioning report and take immediate actions.

BLACK & WHITE
COLOR OPTIONS AND ACCESSORIES

PURE WHITE
HIGH GLOSS

ALL BLACK
HIGH GLOSS

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.

REPLACABLE COVER
PANEL (KEYS ARE
REPLACABLE TOO)

EXTRA-LARGE TEXTS
FOR EASY READING
AND OPERATING

CONTACTS
HOME MESSAGES
INFO & PLANS
OPTIONS

7 INCH TOUCH
SCREEN ALLOWS FOR
EASY NAVIGATION
FROM ONE FEATURE
TO ANOTHER

TRAY KEY TO PULL A
FULL SUMMARY OF
THE RESIDENCE

TALK KEY TO
ANSWER INCOMING CALLS
AND TO SHOW A LIST OF
QUICK CONTACTS

OPEN KEY TO QUICKLY
OPEN THE DOOR

BACKLIT
NOTIFICATION ICON
TRIGGERS WHEN
UNREAD MESSAGES
ARE PRESENT

MICROPHONE

CAMERA WITH 80°
VIEW ANGLE AND F3.0
GLASS LENS

BACK-LIT INDICATORS
TO MAKE EASIER TO
SEE BUTTONS AND
SPECIFIC AREAS
DURING NIGHT USE

DUAL-SPEAKER
FOR LOUD YET
CLEAR RINGER AND
RINGTONE

POWER CONNECTOR
(12V DC – 2A INPUT)

ETHERNET RJ45
CONNECTOR
FOR DATA AND POE
POWER SUPPLY

TECHNICAL DETAILS

AMROAD P9

PRODUCT NO

CPW7000-FM-BA
(All black - High Gloss)

CPW7000-FM-WH
(Pure white - High Gloss)

LANGUAGES

Device language:
English, Traditional Chinese
(user selectable)

Web server language :
English, Traditional Chinese
(user selectable)

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 – 2A Input

PoE (Power Over Ethernet)

SCREEN & CAMERA

7" touch panel
Resolution: 800 × 480 pixels
Format: 15:9

VGA color camera
with 80° / F3.0 glass lens

VIDEO CODEC

H.264 (supporting VGA resolution)
H.263 (supporting CIF resolution)
MPEG4 video codec

AUDIO CODEC

G.711 μ audio codec

WARRANTY

2-year warranty

DEVICE DIMENSIONS

W 200 × H 284 × D 47 mm
(protruding 7 mm when mounted)

PACKAGE CONTENTS

1 × Unit

1 × Cover panel

Screws, terminal blocks, etc.

ACCESSORIES

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.

UPLIGHT WITH
WHITE LED LIGHTS

F2.0 CAMERA WITH
GLASS LENS FOR
CLEAR IMAGES

CONCEALED
SPEAKER FOR BETTER
APPEARANCE AND
HYGIENE

JUMBO BELL
BUTTON CONFERS
A DISTINGUISHING
CHARACTER TO THE
DEVICE
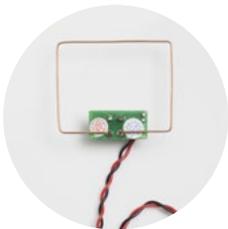
HIDDEN AND
DISCREET RFID
SCANNING AREA

HIDDEN MICROPHONE
DOESN'T ACCUMULATE DUST

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

DB3100R-FM-BA
(All black - High Gloss)

DB3100R-FM -WH
(Pure white - High Gloss)

LANGUAGES

Device's vocal messages language:
English, Traditional Chinese

Web server language: English

SIP VERSION

SIP 2.0 - RFC3261

RFID READER

MIFARE ISO / IEC 14443 · TYPE A
(valid for all Amroad's devices)

PORTS

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

1 × 12V DC power input

2 × Digital Input (DI)
2 × Digital Output (DO)
(enabled by Amroad upon request)

POWER SUPPLY

12V DC – 1A INPUT

PoE (Power Over Ethernet)

AUDIO CODEC

G.711 a/μ audio codec

VIDEO CODEC

H.263 video codec

WARRANTY

2-year warranty

DEVICE DIMENSIONS

W 110 × H 200 × D 52 mm
(protruding 7 mm when mounted)

PACKAGE CONTENTS

1 × Unit

1 × Cover panel

1 × Relay board

1 × RFID card

Screws, terminal blocks, tools.

ACCESSORIES

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

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

BELL + RFID READER
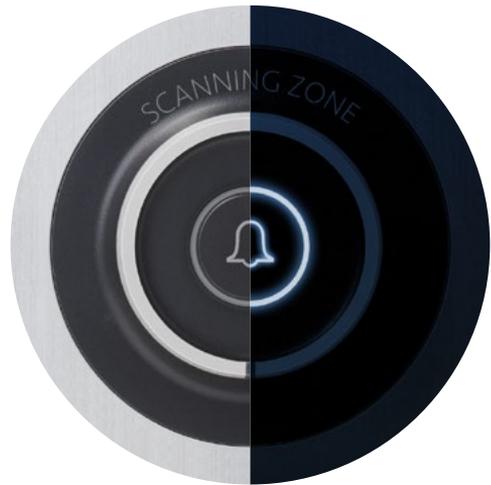
DAY · NIGHT

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 aestetics. 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

DISCRETE
MICROPHONE UNDER
CAMERA

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

PLEASE ENTER PASSWORD

* * * – – –

PRESS THE "c" BUTTON TO CANCEL

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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

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

DP3010R-FM-NC

LANGUAGES

Device Language:
English, Traditional Chinese

Web Server language:
English

SIP VERSION

SIP 2.0 - RFC3261

RFID READER

MIFARE ISO / IEC 14443 · TYPE A
(valid for all Amroad's devices)

PORTS

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)

POWER SUPPLY

12V DC – 2A input

PoE (Power Over Ethernet)

SCREEN

4.3" Blanview
(very high contrast also under
direct sunlight)

CAMERA

Color camera with
F2.0 glass lens
105° viewing angle

VIDEO CODEC

H.263 video codec

AUDIO CODEC

G.711 a/μ audio codec

WEATHERING

IP55 certified

WARRANTY

2-year warranty

DIMENSIONS

W 155 × H 410 × D 51.5 mm
(protruding 6 mm when mounted)

PACKAGE CONTENTS

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.

COLOR CAMERA

MICROPHONE

16 BRIGHT LED IGHTS
SURROUNDING THE
CAMERA FOR NIGHT
TIME USE

FRONT SPEAKER FOR
QUALITY SOUND
PROJECTION

BRUSHED-METAL
FINISHING

LARGE BACKLIT
"BELL" BUTTON

MOUNTING SCREWS
ARE NOT VISIBLE AT
FIRST SIGHT

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.

COLOR CAMERA
FEATURING GLASS
LENS AND 105°
VIEWING ANGLE

LED LIGHTS TO
INCREASE VISIBILITY
AT NIGHT

POWER

STATUS

LARGE SPEAKER
ACHIEVES
HIGH VOLUME

BACKLIT "BELL"
BUTTON FOR NIGHT
USAGE

RFID READER WITH
LARGE SCANNING
AREA FOR HIGH
TRAFFIC ENTRANCES

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MICROPHONE

MOUNTING SCREWS
ARE HIDDEN UNDER
THE REMOVABLE
PANEL
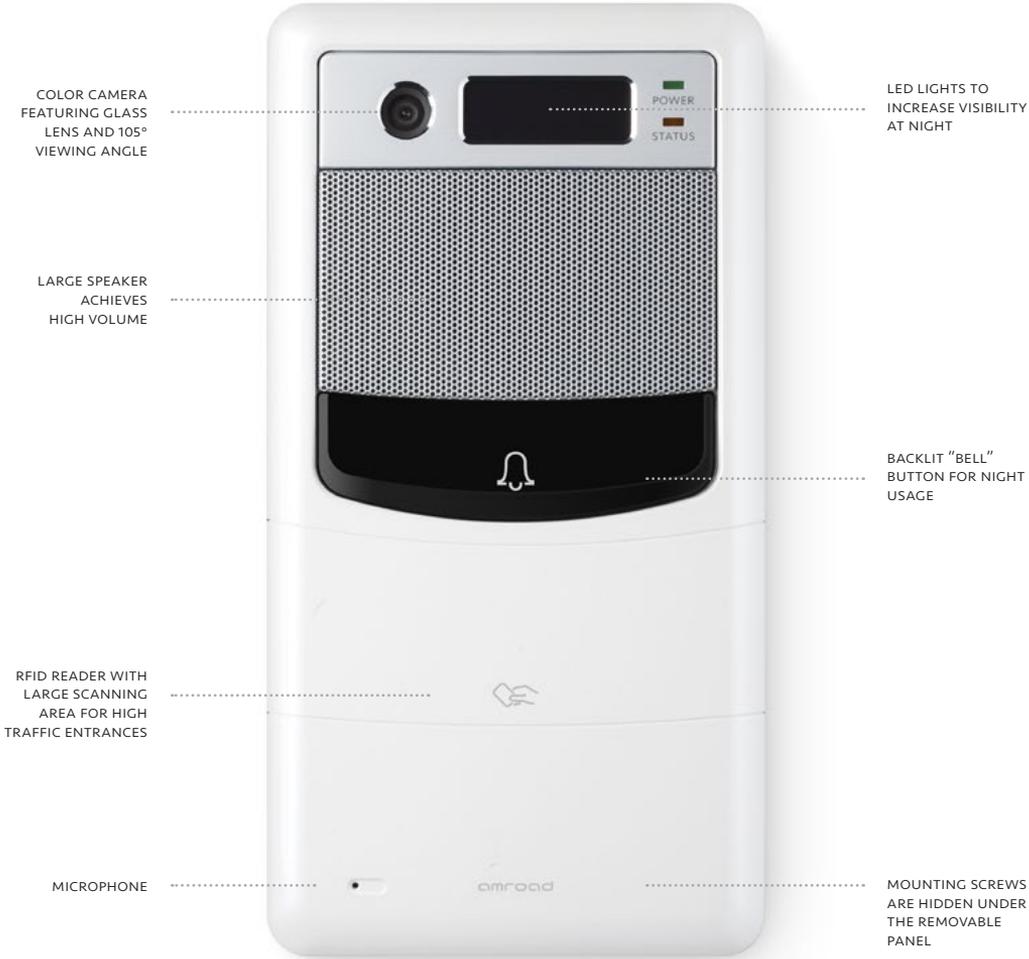
TECHNICAL DETAILS

AMROAD DP101

PRODUCT NO

DP101R-WM-US-WH
(with RFID reader)

DP101-WM-US-WH
(without RFID reader)

LANGUAGES

Device's vocal messages language:
English, Traditional Chinese

Web Server language: English

SIP VERSION

SIP 2.0 - RFC3261

RFID READER

MIFARE ISO/IEC 14443 · TYPE A
(valid for all Amroad's devices)

PORTS

1 × RJ45 port
1 × 100~240V AC power input

4 × Digital Input (DI)
3 × Digital Output (DO)

POWER SUPPLY

100~240V AC 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 120 × H 230 × D 47 mm

PACKAGE CONTENTS

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

DP100-25-DC-MX

LANGUAGES

Device language:
English, Traditional Chinese

Web server language:
English

SIP VERSION

SIP 2.0 - RFC3261

RFID READER

MIFARE ISO / IEC 14443 · TYPE A
(valid for all Amroad's devices)

PORTS

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)

POWER SUPPLY

12V DC - 2A

AUDIO CODEC

G.711 a/μ audio codec

VIDEO CODEC

H.263 video codec

WEATHERING

IP54 certified

WARRANTY

2-year warranty

DIMENSIONS

W 150 × H 370 × D 54 mm
(protruding 4 mm when mounted)

PACKAGE CONTENTS

1 × Unit

1 × Metal wall box

1 × RFID card

Screws, terminal blocks, tools.

CAMERA FOR VIDEO
CALLING OTHER
RESIDENTS IN THE
COMMUNITY

MICROPHONE

RFID READER TO
QUICKLY ARM/
DISARM THE ALARM

5" LCD COLOR SCREEN

amroad

FRONT SPEAKER
FOR CLEAR SOUND
PROJECTION

KEYPAD

QUICK BUTTONS
FOR FAST ACCESS TO
IMPORTANT FEATURES

4-WAYS BUTTON FOR
EASY NAVIGATION OF
MENUS
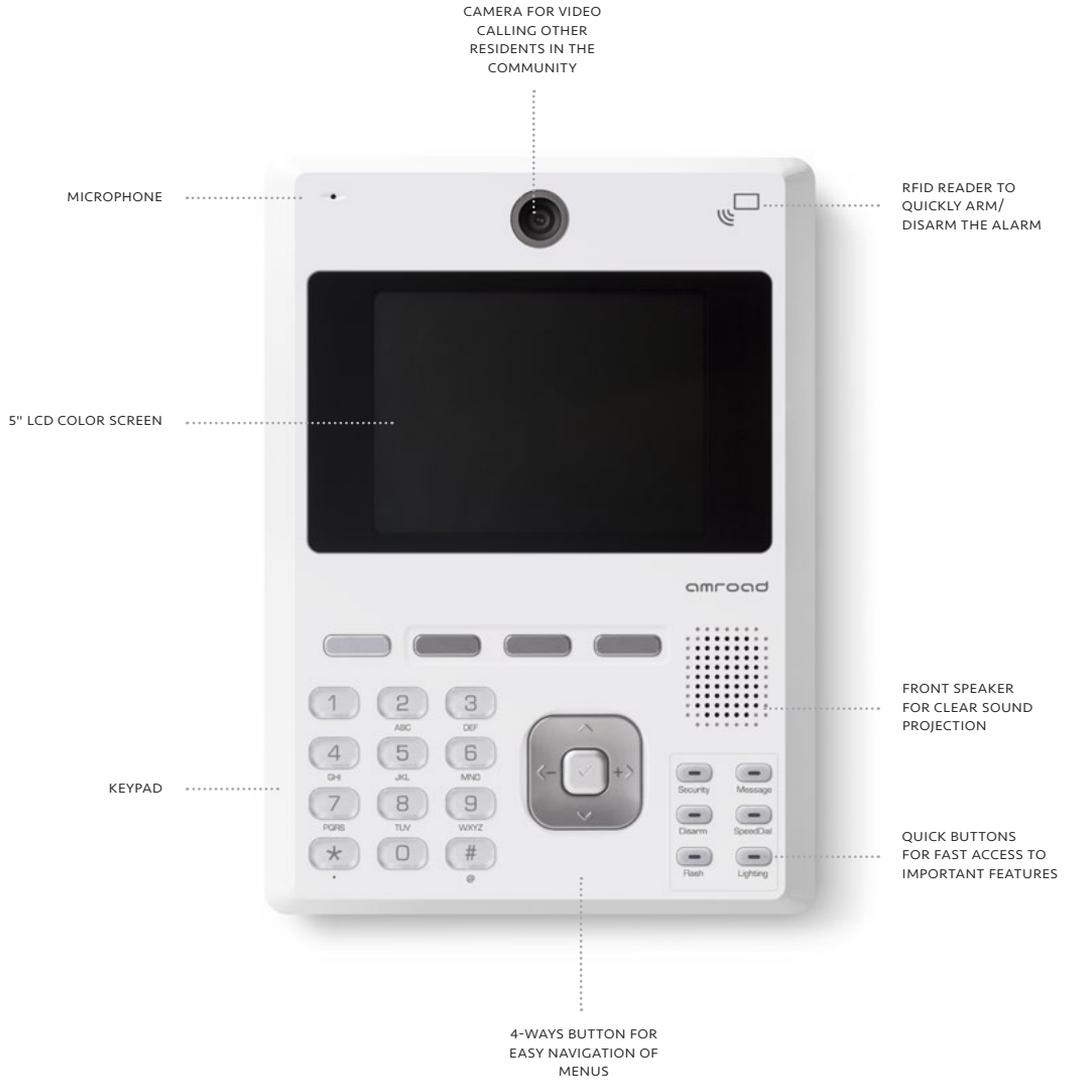
AMROAD ID5101

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
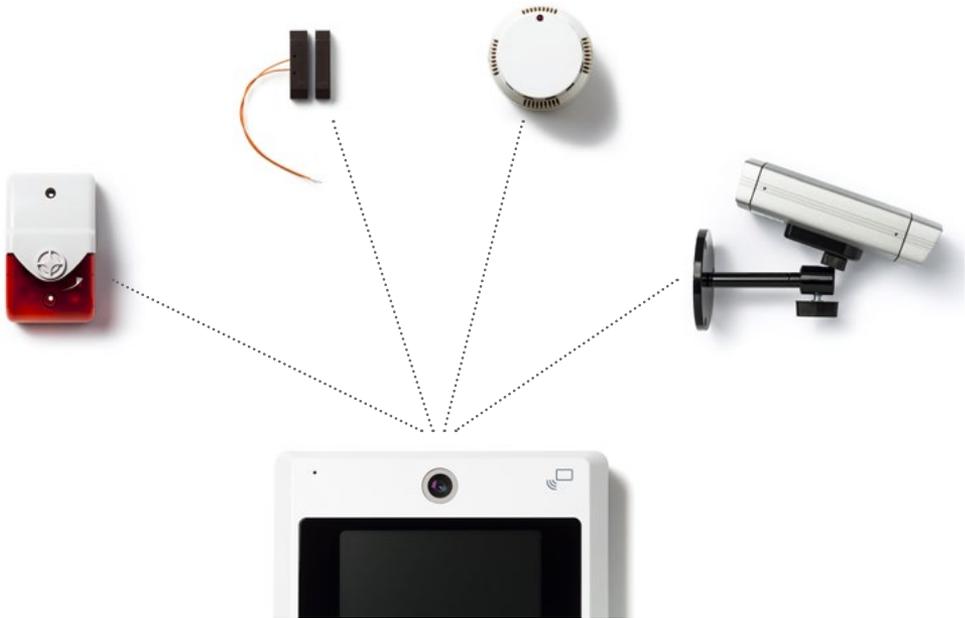
SIP DOORPHONE + VIDEOPHONE

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

ID5101-FF-US-LB
(English interface / English
inscriptions printed on buttons)

ID5101-FF-CT-LB
(Traditional Chinese interface /
English inscriptions printed on
buttons)

LANGUAGES

Device available in
English and Traditional Chinese

Web server language:
English

SIP VERSION

SIP 2.0 - RFC3261

RFID READER

MIFARE ISO / IEC 14443 · TYPE A
(valid for all Amroad's devices)

PORTS

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

1 × 12V DC power input

8 × Digital Input (DI)
4 × Digital Output (DO)
(enabled by Amroad upon request)

POWER SUPPLY

12V DC - 2A input

PoE (Power Over Ethernet)

SCREEN

5" LCD color screen

VIDEO CODEC

H.263 video codec

AUDIO CODEC

G.711 a/μ audio codec

WARRANTY

2-year warranty

DIMENSIONS

W 174 × H 240 × D 37 mm

PACKAGE CONTENTS

1 × Unit

1 × Metal bracket

2 × Relay board

Screws, terminal blocks, tools

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.

5" TILTABLE LCD
COLOR SCREEN FOR
BETTER VISIBILITY

ORIENTABLE
CAMERA FOR
VIDEO CALLS

DETACHABLE
RECEIVER WITH DOCK

amroad

LOUD SPEAKER
FOR HANDSFREE
CONVERSATIONS

NUMERIC KEYPAD
FOR LANDLINE AND
VIDEO CALLS

HOTKEYS FOR
IMMEDIATE ACCESS
TO SPECIFIC
FUNCTIONS

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

VP115-PW-US-BL
English lang./without adapter

VP115-PW-EU-US-BL
English lang./Schuko plug adapter

VP115-PW-US-US-BL
English lang. /US plug adapter

VP115-PW-US-CT-BL
Tr. Chinese lang./US plug adapter

LANGUAGES

Device language:
English, Traditional Chinese

Web server language:
English

SIP VERSION

SIP 2.0 - RFC3261

COLOR

Anthracite
(for unit and handset)

PORTS

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

1 × 12V DC power input

1 × USB port

1 × 3.5mm audio in/out

POWER SUPPLY

12V DC - 2A input

PoE (Power Over Ethernet)

SCREEN

Tiltable 5" LCD screen

VIDEO CODEC

H.263 video codec

AUDIO CODEC

G.711 a/μ audio codec

WARRANTY

Amroad VP is covered by a
2-year warranty

DIMENSIONS

W 175 × H 180 × D 180 mm
(without handset)

PACKAGE CONTENTS

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.

AMROAD
I/O CONTROLLER
amroad

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

IOCB6730-WM-WH

INSTALLATION

Performed using
Amroad Configurator

Amroad Configurator Languages:
English, Traditional Chinese

COMPATIBILITY

Compatible only with Amroad P9

PORTS

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)

INTEGRATED DRY CONTACT

· One independent dry contact per
digital output

· Switching Capacity 5A @ 24V DC
per digital output

· NO/NC selected via software

POWER SUPPLY

12V DC – 1A

LIMITATIONS

Maximum amount of controllers:
up to 3 controllers per Amroad P9

Maximum distance from controller
to device/switch: 30m

WARRANTY

2-year warranty

DIMENSIONS

W 160 × H 110 × D 22 mm

PACKAGE CONTENTS

1 × Unit

2 × DIN rail clip

18 × 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.

5 Port 10/100M with 4 Port
PoE Ethernet Switch

amroad

PoE

LINK/ACT

POWER   1   2   3   4   5

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

POES6530-IN
British plug

POES6530-US
US plug

POES6530-EU
Schuko plug

PLUG OPTIONS

European Plug – CEE 7/7 hybrid Schuko

US Plug – NEMA 5–15R

Indian Plug – BS 546-5A

ENCLOSURE

Metal Enclosure

Color: Black

PORTS

1 × RJ45
(10/100 Mbps Base TX)

4 × RJ45 PoE/PSE
(10/100 Mbps Base TX – POE/PSE)

POWER INPUT

DC 48V / 1.45A

POWER OUTPUT

DC 48V

POWER CONSUMPTION

70W max shared among 4 PoE ports

30W max for a single poe port

STANDARDS

IEEE 802.3AF
IEEE 802.3AT
IEEE 802.3 10 BASE T
IEEE 802.3U 100 BASE TX
IEEE 802.3X FLOW CONTROL

TRANSMISSION MEDIA

10BaseT Cat. 3, 4, 5 UTP/STP

100BaseTX Cat. 5 UTP/STP

FILTERING/FORWARDING RATES

148,800 pps for 100Mbps port

14,880 pps for 10Mbps port

BANDWIDTH

Dedicated full-duplex 200Mbps bandwidth

DATA RAM BUFFERING

Buffer Memory: 384Kb

WARRANTY

1-year warranty

DIMENSIONS

Device:
W 97 × H 130 × H 24 mm

Power Adapter:
W 60 × H 150 × D 31 mm

PACKAGE CONTENTS

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

SIP PROTOCOL - RFC3261

OTHER PROTOCOLS

Real-time transport protocol

Payload for comfort noise (RFC3389)

NAT traversal support stun (RFC3489)

SDP - Session Description Protocol (RFC2327)

OPERATION FEATURES

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

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

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

Voice Activity Detection (VAD)

Comfort Noise Generation (CNG)

Acoustic Echo Cancellation (AEC)

Line Echo Cancellation (LEC)

DEVICE MANAGEMENT

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

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

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

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 FXS ports
C	3 FXO + 1 FXS ports
D	8 FXO ports

WARRANTY

IX-Series products are covered by a 1 year warranty

POWER SUPPLY

12V DC – 2A

PACKAGE CONTENTS

1 × Unit

1 × Power adapter (100~240V)

1 × Bracket for wall-mounting

NOTES

Amroad reserves the right to change, at any time and without prior notice, any product illustrated in this catalogue.

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