

INDUSTRIAL INTERCOMMUNICATION

Custom-made equipment

OPTIMUS industrial intercommunication solutions encompass equipment for virtually any situation, ranging from simple audio panels for residential use to strong systems with full protection against adverse weather conditions, vandalism, and hazardous atmospheres.

In close collaboration with the engineers at J&R Technology, at OPTIMUS, we have the ability to design equipment tailored to special needs, as well as create new models for an installation or property.



In this document, we outline some of the customization and adaptation options, but these are not exhaustive. Please consult with us regarding your specific requirements, and we will identify the ideal solution.

This is a Custom-made intercom system developed through collaboration between OPTIMUS and J&R Technology's engineering departments, based on project requirements and technical specifications.



- ALUMINUM ALLOY CASTING
- IN BLACK
- RED TELEPHONE HANDSET MADE OF CYCOLOY, WITH STAINLESS STEEL-COATED SPIRAL CABLE
- DOOR WITH MAGNETIC CLOSURE
- WALL-MOUNTED INSTALLATION
- IP66 PROTECTIONS AGAINST WATER AND DUST
- IK10 VANDAL RESISTANCE
- SIP 2.0 STANDARD COMMUNICATION
- RJ45 PORT FOR SIP CONNECTION
- AUTO-ANSWER WHEN LIFTING THE HANDSET
- PoE POWER SUPPLY
- COMMUNICATION STATUS LED
- "CALL" LABEL IN BRAILLE
- INDUCTION LOOP FOR HEARING-IMPAIRED INDIVIDUALS WITH INDICATIVE SCREEN PRINT
- TEMPERATURE RANGE FROM -30° TO 60°C
- 80 dB RINGING TONE aT 1m
- COMPLIANT WITH CEE, FCC AND RoHS



The same unit without door, with color changes, or in a flush-mount version, showcasing the versatility of potential solutions.

Custom-made equipment

STANDARD OPTIONS



PROTECTION

- Hazardous atmospheres**
ATEX/IECEX
- Adverse weather conditions**
up to IP67
- Vandal-resistant**
up to IK10

COMMUNICATION

Analogue | SIP | 4G

AUDIO & CALL

- | | |
|--|--|
| Handset
Full keypad
Information display | Hands-free
Call buttons |
|--|--|



EXTERNAL DEVICES

- | | |
|--|---------------|
| LED lamp
Exponential horn speaker | Beacon |
|--|---------------|



FORMAT

- | | |
|--|--|
| Embed
Surface
Tabletop
Door | Visor
Cabin
Post
Pedestal |
|--|--|



Protection
Strict compliance with international protection level standards, with weatherproofing up to IP67.



Vandal-resistant
Robust structure with protection against vandalism, with a rating up to IK10.



Tamper-proof
304 stainless steel call panel with tamper screws, anti-rust and anti-tampering.



Temperature range
The equipment can operate from -40°C to 70°C and is suitable for hostile environments.

INDUSTRIAL INTERCOMMUNICATION

CUSTOM-MADE SETUP

These are some of the customization and adaptation possibilities, but they are not the only ones. Feel free to ask about your specific needs.



MECHANICAL

Enclosure type
Dimensions
Recessed or surface

MATERIALS

Aluminum alloy casting
Plastic with fiberglass reinforcement
Cold-rolled steel
Stainless steel



COLOR

Yellow, red, orange,
gray, blue, black...

ADDITIONAL FEATURES

Video
Braille
Pictograms

Induction loop
Screen printing
Electronics



HD audio quality

High-quality sound in communication, with the possibility of using codecs such as G.722.



Full-duplex communication

With advanced echo cancellation and noise suppression algorithms that ensure intelligibility in noisy environments.



SIP standard

With the standard SIP 2.0 protocol, ensuring maximum compatibility with SIP-enabled devices.

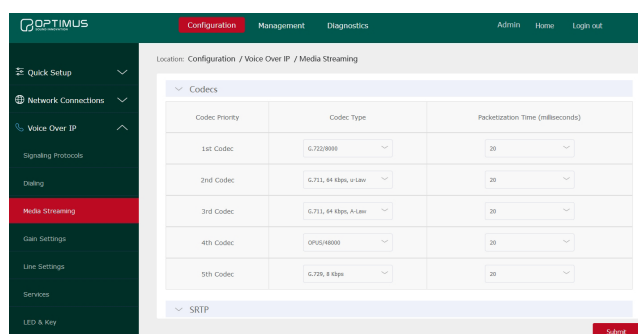


PoE supply

No additional power supplies are needed when using PoE technology.

INDUSTRIAL INTERCOMMUNICATION

SOFTWARE



INTEGRATION

Integration with third parties via HTTP/JSON

Sending remote commands via web browser (HTTP)

Sending POST status frames to the client (JSON)

Compatibility with SSL security certificates



ADDITIONAL FUNCTIONS

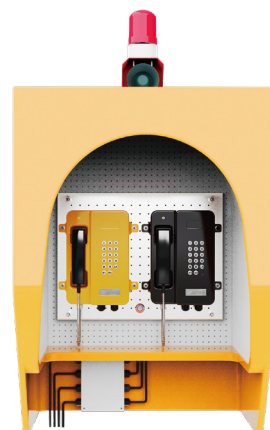
Activation of CCTV cameras
Turning lights on and off
Automatic door opening
Automatic call in case of alarm

Buttons with specific functions
Muting external speaker
Walkie-talkie function
PTT (push to talk) function



PROTECTION

The high protection of the equipment can be further enhanced with cabins to house the intercoms. Standard models can be customized and built to meet specific needs.



There are many more possibilities...

Consult our sales advisors to find the best solution for your needs.

<https://optimusaudio.com/es/empresa-optimus/delegaciones>

