

Gate Pro

the first AI-enabled control panel with a PicoWAN gateway embedded for IoT networks in B2B environments



Paris - January 3, 2019 - ARCHOS, the French pioneer of consumer electronics, today announced that it will exhibit its newest AI innovation, at CES® 2019, from January 8th to 11th 2019, in Las Vegas. In addition to its existing daily companions the ARCHOS Hello and ARCHOS Mate, the company unveils the Gate Pro. This control panel embeds a PicoWAN gateway, BLE, BT and WiFi connectivity.

Speech recognition and voice control functionalities, developed in partnership with Nuance, the pioneer and leader in conversational AI innovations that bring intelligence to everyday work and life, will allow companies to collect and store data on their own private servers for optimized workflows.

According to a recent Cisco report, by 2022, more than half of all IP network connections in the world will be made by IoT or M2M devices, in front of computers or smartphones, an illustration of the explosion of IoT usages in businesses. It therefore becomes imperative to use long-range and low-consumption dedicated networks to avoid overloading traditional networks.

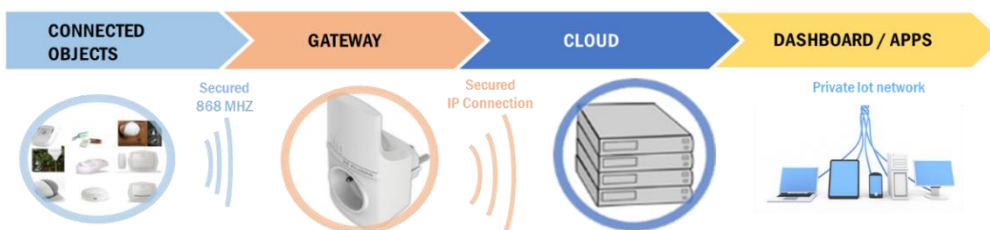
With Gate Pro, ARCHOS offers organizations a solution that allows them to set up a dedicated, high-performance and secured network, with voice control of their devices and real-time display of their data.

The integrated PicoWAN gateway converts the Gate Pro into a real control center of a private LoRa network, to collect and organize the data generated by the connected objects, such as temperature, humidity, CO₂, gas, PM2.5 r (up to 10,000) sensors, in a large radius (up to 1 kilometer - inside and outside buildings). The screen displays the collected data in real time.

PicoWAN is a long-range and low consumption network, freed from possible problems of coexistence with WiFi, which allows managing in an ultra-secured way a network of unlimited number of indoor or outdoor connected objects.

The integration of the PicoWan gateway into the Gate Pro brings:

- **Better management of object battery consumption:** speed and signal transmission power can be adjusted in real time to save the battery of connected objects.
- **Better penetration of the signal inside buildings:** the PicoWAN gateway is integrated directly into the GatePro, so it is located in the heart of the buildings, which guarantees an optimal coverage for IoT network.
- **Acknowledgment of messages 100% certified:** each message from a sensor is automatically acknowledged by the gateway. The sensor can thus make an attempt and knows the transmission status of its messages. There is no radio constraint related to receiving messages. Finally, those acknowledgments are automatic, free and unlimited.
- **Ability to add gateways to create a Star Network:** with the addition of additional gateways, it is possible to create your own proprietary and secured network of connected objects at low cost compared to existing networks.
- **Management of the system from A to Z:** the entire ecosystem management is fully designed and managed by PicoWAN to ensure the highest security of the collected data.



In many industrial environments, operators need to interact with their business applications without being able to touch the screen of their device. Gate Pro voice recognition and Speech to Text features without using an external server give it an Artificial Intelligence that can be used to upgrade business equipment and improve processes and productivity.

The GatePro allows businesses to integrate voice commands developed by Nuance into their business applications and ensures that the collected data will be stored locally and not on third-party servers. Far Field Voice Processing technology allows GatePro to hear and execute voice commands even if the user is away from the device and in a noisy environment.

With its 5 MP camera, two microphones, acoustic echo cancellation and powerful speaker, the Gate Pro allows the set-up of video calls and conferences.

Unveiled at CES 2019, the Gate Pro will be sold by Logic Instrument, the BtoB subsidiary of ARCHOS, during the first quarter of 2019.

The ARCHOS team will be available at CES® 2019 for further interviews and demonstrations live in actions: Tuesday, January 8th to Friday, January 11th on its booth at Tech West – Sands Expo – Hall G – Business France / La French Tech – Booth #50819.

About ARCHOS

ARCHOS, a pioneer in consumer electronics, continues to innovate and revolutionize the consumer electronics market. Among others, the French manufacturer was first with an HDD MP3 player in 2000, a multimedia player in 2003, Google Android powered tablets in 2009, a connected Smart Home in 2014 and PicoWAN, the first collaborative network dedicated to the IoT, in 2016. Today, ARCHOS designs and democratizes solutions with high innovation value in three segments: mobile solutions, AI, blockchains. With headquarters in France, offices in Europe and in Asia, ARCHOS is a strong pan-European player. ARCHOS is quoted on Compartment C of Eurolist, Euronext Paris, ISIN Code: FR0000182479.

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LOGIC INSTRUMENT Gate Pro

Main specifications

Design

Width x Height (horizontal): 250 x 114mm

Thickness: 25,5 – 73mm

Weight: 642 g

I/O buttons: 1 x Microphone-Mute, 1 x Camera Shutter,
1 x Volume +/-, 1x Power On/Off

Display

Size: 7"

Type: IPS

Resolution: 1280 x 800

Screen: Full Lamination

Viewing angle: 86° Wide Angle

Viewing modes: Portrait and Landscape

Performance

Processor: Quad Core @ 1.3 GHz

GPU: Power VR GE 8300

Audio: 2" 10W with optimized chamber and passive radiator

Microphone: Dual microphone array

RAM: 2 GB

Internal storage: 64 GB – Expandable via Micro SD card up to 320 GB

Multimedia

Front Camera: 5 MP AF 60° including physical obstruction system

Video Call: 720 p

Connectivity

WiFi b/g/n & WiFi direct

Bluetooth® 4.0 BLE

Long range narrow band technology: PicoWAN

Battery

3,000 mAh / 3,7V Li-Ion

Ports and sensors

Light and proximity

G sensor

USB OTG

Software

Operating system: Google Android™ Oreo 8.1

