iRidi

MEMBER
KNX
The worldwide **STANDARD**
for home & building control

Solutions
for Audio Video Installations

iRidi

Automation of Smart Homes and Buildings

2007	160+	110+	3000+
foundation of company	employees	countries	projects annually

About Company

iRidi is an international technological company that has been in the sphere of developing software and manufacturing equipment for automation of smart homes and buildings since 2007.
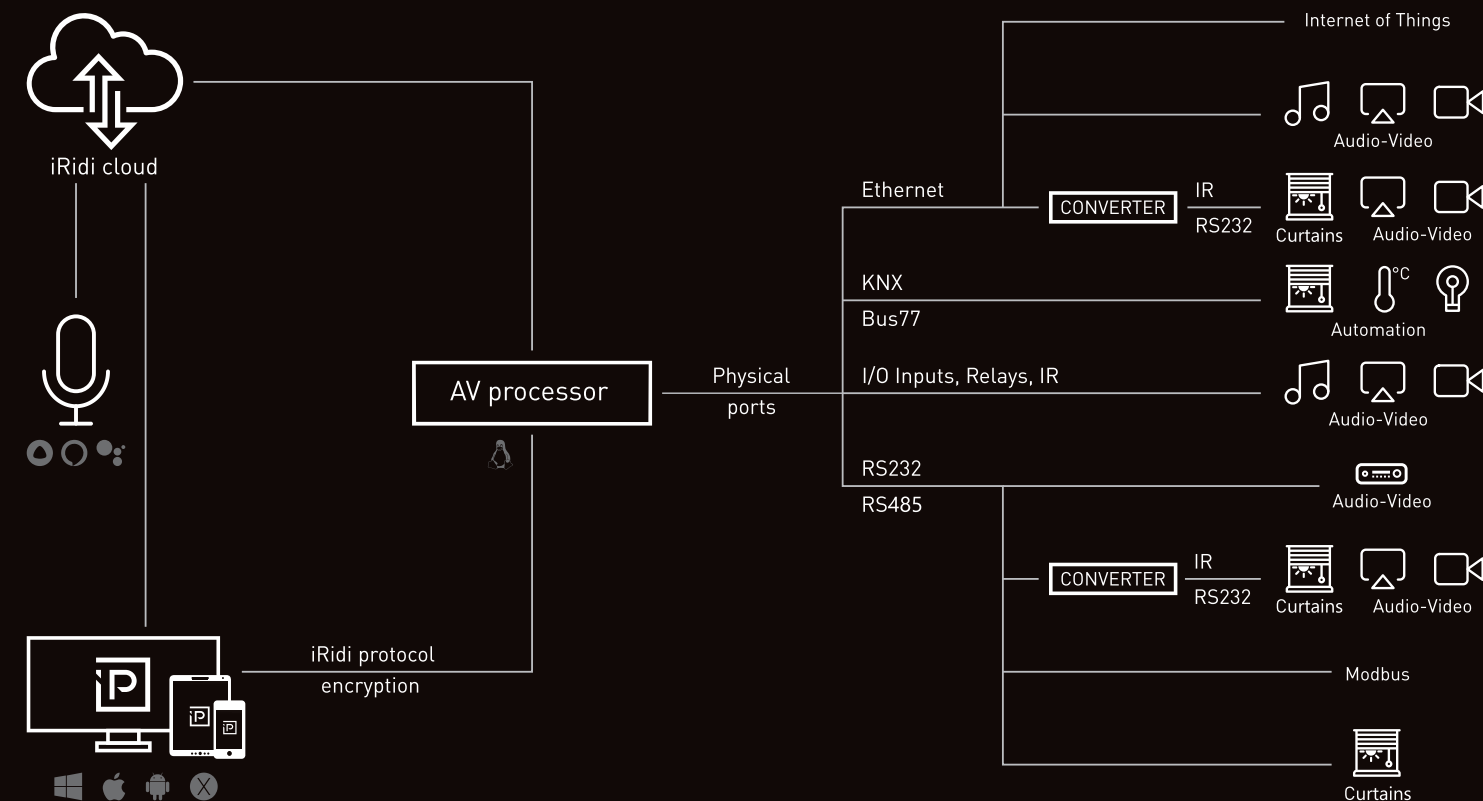
Company products are equipment and software that include a database of ready drivers for 60+ automation protocols.

iRidi company is a manufacturer of equipment and developer of software for automation based on the proprietary patented protocol Bus77.

AV Processors

- a solution for projects of any sized based on iRidi Server platform;
- offline licensing for isolated networks of high-security objects;
- a wide selection of interfaces, IP control to integrate a variety of equipment;
- a powerful flexible tools of iRidi Studio allow to create unique and template-based projects in a single development environment;
- numerous functions of databases, schedules, logic, JavaScript, etc.
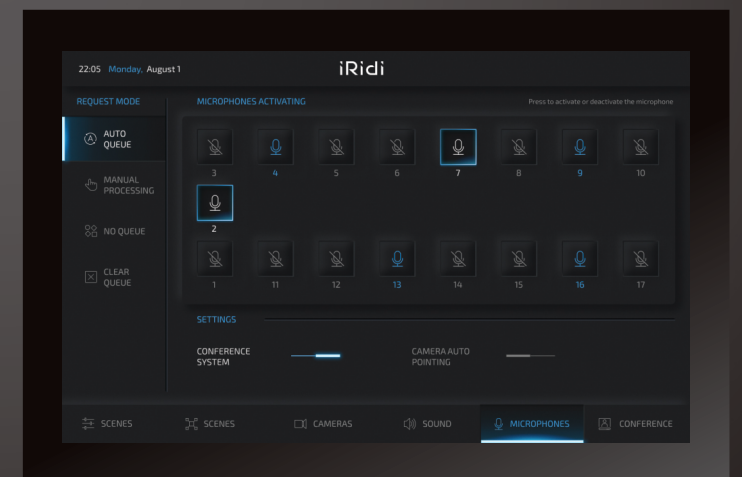
Integration Capabilities of AV Processors

iRidi cloud

iRidi protocol encryption

AV processor

Physical ports

Internet of Things
Ethernet
CONVERTER — IR / RS232 — Curtains, Audio-Video
KNX
Bus77 — Automation
I/O Inputs, Relays, IR — Audio-Video
RS232
RS485 — Audio-Video
CONVERTER — IR / RS232 — Curtains, Audio-Video
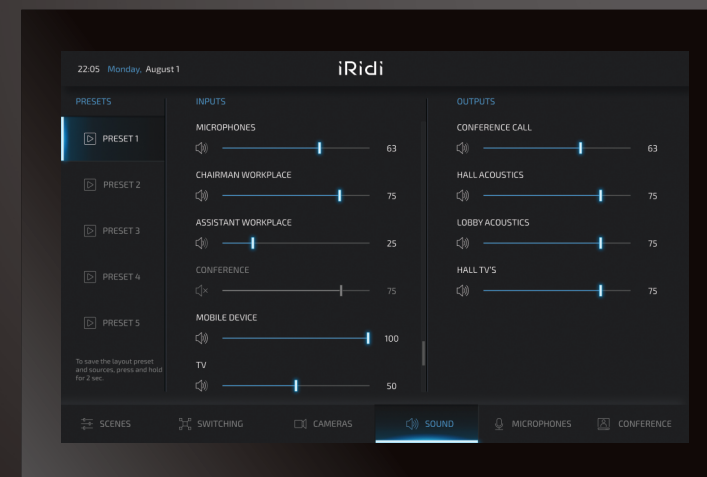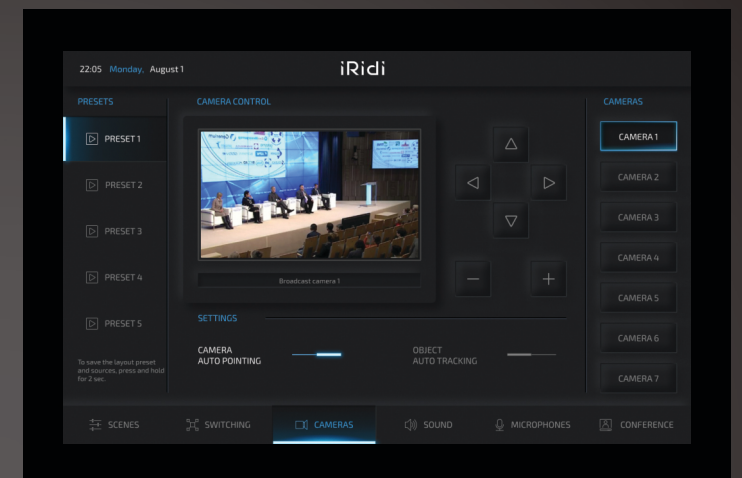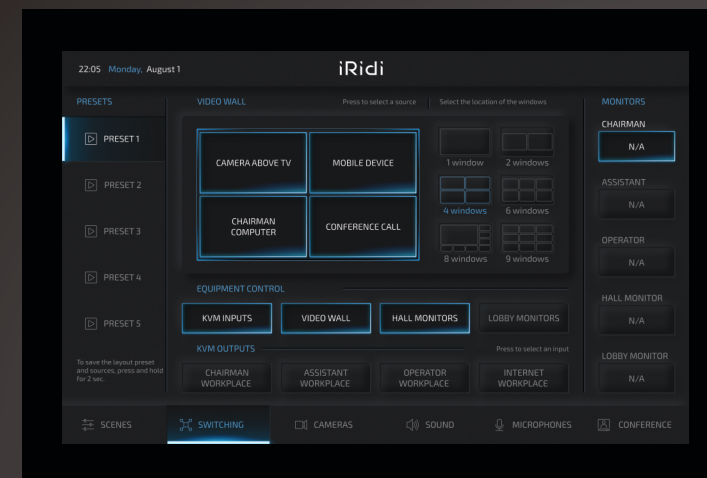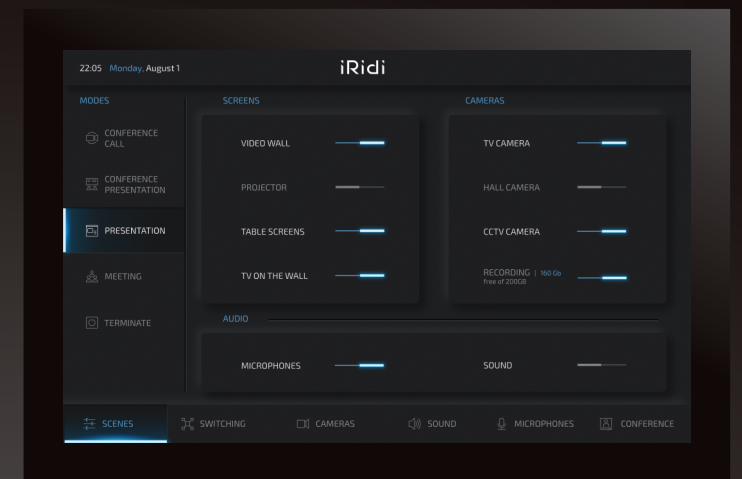Modbus
Curtains

Audio-Video

AV Interface Template

It's a modern interface, designed specially for situation and congress centers, classrooms and any other AV projects. It's dark color scheme is convenient to work with in dimmed light.

The AV interface can be easily branded. It contains a set of icons to speed up creation of customized projects.

Adapted for:

- Touch Panel 8;
- Qbic tablets (1280*800) (1280x800).

ProAV Control Processor Basic

PX-VM20

Product code:	PX-VM20-Basic
Processor:	Rockchip RK3399 (dual 1.8GHz Cortex-72 and qual 1.4GHz Cortex-A53)
Memory:	RAM 4Gb SSD 120Gb
Main interfaces:	Ethernet, USB
Automation buses:	KNX, Bus77
SCI:	RS-232/485 (150-115 200 Bod, Hardware/Software Handshaking) 2 RS-232 (150-115 200 Bod, Software Handshaking)
Inputs:	2 universal inputs R and V (0-50кOm, 0-12V DC)
Relay outputs:	2 low-current relays (3A, 24V AC/DC)
IR input:	yes, command learning
IP outputs:	2 outputs, up to 3 emitters per channel
USB:	yes, USB sticks for Z-Wave and Zigbee protocols
Real time clock:	yes
Power:	24V DC
Battery:	yes
Operation system:	Linux Debian
Size in mm:	175 x 40 x 80
Body material:	metal
Mounting:	rack-mount, wall-mount, DIN-rail

- Modern hardware platform
- Online and Offline licensing iRidi Server software
- Customized visualization on mobile devices and desktops
- Basic set of I/O ports

- Scenes, schedules, logic and JavaScript
- Support of automation protocols: KNX, Bus77, Z-Wave, Zigbee and Modbus
- Battery for uninterrupted power supply
- Database, graphs and trends.

PX-VM20 (Basic) processor is an ideal solution for meeting rooms, classrooms, home cinemas and other small projects. Exceptional productivity and stable work with wide integration capabilities of equipment based on iRidi Server.

In combination with Bus77 and KNX buses the processor is a universal instrument for automation of any installations and reliable control of audio-video equipment, lighting, climate, security systems and other equipment.

It provides a user a convenient tool to control an installation from a single visualization interface available for touch panels and mobile devices.

ProAV Control Processor Advanced

- Modern hardware platform
- Online and Offline licensing iRidi Server software
- Customized visualization on mobile devices and desktop
- Advanced set of I/O ports
- Scenes, schedules, logic and JavaScript
- Support of automation protocols: KNX, Bus77, Z-Wave, Zigbee and Modbus
- Battery for uninterrupted power supply
- Database, graphs and trends

PX-VP100 (Advanced) serves as a central element in any projects of home, corporate and government levels. A large number of I/O ports and communication interfaces, control via IP protocols solve tasks of any installations.

A large variety of different equipment of modern projects are easily united into a single infrastructure with the help of iRidi Server and individual visualization interfaces launched on touch panels and mobile devices. A single development environment, iRidi Studio, a set of drivers and interface templates save effort and time on creating even large-scale projects.

iRidi Server stable software and PX-VP100 (Advanced) hardware are meant for safe work 24/7. A capability to work in isolated networks with the help of a special offline license and to store projects on the processor without connection to cloud services.

Product code:	PX-VP100-Advanced
Processor:	Rockchip RK3399 (dual 1.8GHz Cortex-72 and qual 1.4GHz Cortex-A53)
Memory:	RAM 4Gb, SSD 120Gb
Main interfaces:	Ethernet, USB
Configuration port:	Yes, to connect to a PC
Automation buses:	KNX, Bus77 – 2 lines
SCI:	2 RS-232/485 (150-115 200 Bod, Hardware/Software Handshaking) 6 RS-232 (150-115 200 Bod, Software Handshaking)
Inputs:	10 universal inputs R and V (0-50кОм, 0-12V DC)
Relay outputs:	10 low-current relays (3A, 24V AC/DC)
IR input:	yes, command learning
IP outputs:	8 outputs, up to 3 emitters per channel
USB:	yes, USB sticks for Z-Wave and Zigbee protocols
Real time clock:	yes
Power:	24V DC
Battery:	yes
Operation system:	Linux Debian
Size in mm:	440 x 43 x 260
Body material:	yes
Mounting:	19-inch rack

AV processors