Operating Room Control Panels

OCP Series

OCP 9 | OCP 10P | OCP 21 | OCP 21G

Switching Life to Infinity

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Operating Room Control Panels

OCP Series

Active OCP Series Operating Room Control Panels are modern and reliable products designed to provide the optimum working conditions required in the operating room and to create the most comfortable environment possible for both the patient and the surgical team.

Active OCP Series Operating Room Control Panels screen allows all electrical controls to be performed manually. Another feature is that it can perform all the information exchange required for automation and undertake all automation tasks on its own even in environments where there is no central automation.

Produced in accordance with the relevant technical specifications of the Ministry of Health and in accordance with the isolated power system alarm indicator, the panels are also offered with features such as separate opening and closing of four separate armature groups, operating light on-off, negatoscope control, multi-channel music broadcast channel selection, hands-free phone, SIP-Phone, medical gas alarm panel, proportional display of temperature, humidity, room differential pressure and filter contamination level, clock-stopwatch, NTP clock.

OCP 9

OCP-9 provides many advantages to a user with its “Smart Care” supervision feature with 7” resistive touch screen which is easy to clean.

All electrical controls can be manually performed on the 7” touch screen, desired values can be displayed as integrated into air conditioning automation.

Communication with high-quality audio provided by the digital audio processor with the handsfree phone through the same touch-screen is also available.

OCP-9 Technical Specifications

- DIN 4301 stainless steel front panel
- 7” Resistive touch screen
- Smart Care warning system
- General lightning control
- Operation lamp control
- Negatoscope control
- UV lamp control
- Busy lamp control
- Time and Chronometer (NTP Time Synchronisation)
- Four channel music broadcasting system
- 3 Watt powered audio amplifier
- External speaker support
- Medical gas alarm integrated to panel
- Temperature, humidity, hepa filter pollution, diffirential room pressure indicator
- Hands-Free analogue telephone
- AGS (Anaesthetic Gas Discharge) button
- Operating status: on / off information
- Event recording and system status
- Lightning dimmer control
- Temperature and humidity information outputs
- Electrical heater (automatic) control
- Embedded assembly
- Front panel dimensions: 600mm x 410mm
- Assembly dimensions: 585mm x 385mm x 110mm

OCP 10P

All electrical controls required in the operating room can be manually performed by the OCP-10 Operating Room Control Panel having 21.5” capacitive touch screen, IP65 protection standard. OCP-10 includes 4 latching relays to provide continuity of lighting. In addition, LINUX based Operating Room Control Panel is able to exchange data via ModBus to the building automation systems.

OCP-10 Technical Specifications

- 21.5” Capacitive touch screen
- DIN 4301 stainless steel front panel
- LINUX based operating system
- RS-485, Modbus RTU master / slave communication interfaces
- Scada integration
- Smart Care warning system
- General lightning control
- Time and chronometer (NTP Time Synchronisation)
- Operation light control
- Negatoscope control
- UV control
- IP Phone
- Medical gas alarm integrated to panel
- Four channel music broadcasting system
- External speaker support
- 12 Watt powered hi-fi audio amplifier
- 10W internal speaker
- Hands-Free analogue telephone
- Telephone book feature
- Electrical interruption protection with latching in-rush relay
- Temperature, humidity, hepa filter - pollution, room differential pressure indicator
- AGS (Anaesthetic Gas Discharge) button
- Operating status: on / off information
- Event recording and system status
- Lightning dimmer control
- Temperature and humidity information outputs
- Electrical heater (automatic) control
- Embedded assembly
- Front panel dimensions: 600mm x 410mm
- Assembly dimensions: 580mm x 380mm x 110mm

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OCP 21

OCP-21 Operating Room Control Panel is a contemporary and reliable device, designed for maintaining the most comfortable environment possible both for patient and the surgery team and most suitable working conditions required in the surgery room.

All electrical controls required in the operating room can be manually performed by the OCP-21 Operating Room Control Panel having 21.5" capacitive touch screen with IP65 protection standard. In addition, LINUX based Operating Room Control Panel is able to exchange data via ModBus and TCP/IP to the building automation systems.

Besides SCADA Integration, Internet access, Gesture sensor, PDF creation, IP phone, Ethernet, MP3 and USB connection features of the panel, the camera allows online video and voice streaming over the web

Customizable inputs, 6-channel music broadcast input, external speaker support, voice command system, MP3 player, increased voice output to improve the comfort of the operation.
It offers the ability to communicate via VoIP and video conferencing over Skype platform.

While maintaining the safety of the device with analog input / output protection, it provides remote online live support with TeamViewer in case of any failure which may occur.

OCP-21 Technical Specifications

- LINUX based operating system
- DIN 4301 stainless steel front panel
- 21.5 inch capacitive touch screen
- RS-485, Modbus RTU master/slave, TCP/IP communication interfaces, external RS232 and CanBus support
- Scada and PACS Integration
- Internet access
- Hands-FreeVoIP phone, video conference over VoIP
- Hands-Free analog phone
- Telephone book feature
- Camera, MP3, USB features
- PDF viewer
- Customizable user profiles with macro function buttons
- 3 line general lighting control
- Power failure protection by latching in-rush relay
- . Control of Operation, UV, Busy, Negatoscope light
- Lighting and negatoscope intensity controls between 0% to 100%
- 6 channel music broadcast channel selection
- 15 Watt power amplifier, music volume adjustment
- 13 Watt internal speaker
- External speaker support
- Digital clock and chronometer (ascending and descending counter), central clock integration
- Analog input/output protections
- 10 channel medical gas alarm panel
- 0-10V automation outputs for temperature and humidity levels
- Integration to different automation systems via customizable voltage / current options for analog inputs
- Temperature, humidity, differential room pressure, hepa filter pollution monitoring and setting, audible and minous warning when set value is exceeded
- Voice notification buttons to disable undesirable alarm notifications
- Operating status: on /off information, operating room busy lamp sign
- Damper open/close manual control, flow control
- AGS (Anaesthetic Gas Discharge) button
- Sends information to automation by 8 analog 0-10V outputs and 8 digital input/outputs
- Event recording and system status
- Embedded assembly
- Front panel dimensions: 660mm x 460mm
- Assembly dimensions: 640mm x 435mm x 125mm

OCP 21G

The OCP 21G Operating Room Control Panel is a modern and reliable control panel designed to provide the most suitable working conditions in the operating room environment and to provide maximum comfort to the patient and healthcare team. Equipped with a 21.5 inch capacitive touch screen and IP 65 protection class, the OCP 21G has a modern design thanks to its touch glass coated front panel. It allows manual management of all electrical controls needed in the operating room.

The panel, which has a Linux-based operating system, allows information exchange with building automation via Modbus and TCP/IP communication infrastructure.

Powerful Connection Options: It meets all kinds of connection needs with its Modbus and TCP/IP supported building automation integration, SCADA compatibility, Ethernet connection, USB access and IP phone support.

Advanced Multimedia and Communication: Provides internet access, PDF reading, video calls via webcam, video conference via VoIP and communication via Skype.

Music Broadcast: Customizable input profiles, 6 channel music broadcast, external speaker support.

High Security: It has Analog input/output protection with latching-rush relay feature. It also provides remote live support with TeamViewer support, allowing technical problems to be resolved quickly.

OCP 21G is a high-tech control panel that fully meets the needs of healthcare professionals by offering comprehensive control and comfort solutions for modern operating rooms.

OCP 21G Technical Specifications

- LINUX based operating system
- Touch glass coated front panel
- 21.5 inch capacitive touch screen
- RS-485, Modbus RTU master/slave, TCP/IP communication interfaces, external RS232 and CanBus support
- Scada and PACS Integration
- Internet access
- Hands-FreeVoIP phone, video conference over VoIP
- Hands-Free analog phone
- Telephone book feature
- Camera, MP3, USB features
- PDF viewer
- Customizable user profiles with macro function buttons
- 3 line general lighting control
- Power failure protection by latching in-rush relay
- Control of Operation, UV, Busy, Negatoscope light
- Lighting and negatoscope intensity controls between 0% to 100%
- 6 channel music broadcast channel selection
- 15 Watt power amplifier, music volume adjustment
- 13 Watt internal speaker
- External speaker support
- Digital clock and chronometer (ascending and descending counter), central clock integration
- Analog input/output protections
- 10 channel medical gas alarm panel
- 0-10V automation outputs for temperature and humidity levels
- Integration to different automation systems via customizable voltage / current options for analog inputs
- Temperature, humidity, differential room pressure, hepa filter pollution monitoring and setting, audible and minous warning when set value is exceeded
- Voice notification buttons to disable undesirable alarm notifications
- Operating status: on /off information, operating room busy lamp sign
- Damper open/close manual control, flow control
- AGS (Anaesthetic Gas Discharge) button
- Sends information to automation by 8 analog 0-10V outputs and 8 digital input/outputs
- Event recording and system status
- Embedded assembly
- Front panel dimensions: 660mm x 460mm
- Assembly dimensions: 640mm x 435mm x 125mm

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OCP Series Comparison Chart

	MODEL			
Display and Front Panel	OCP 9	OCP 10P	OCP 21	OCP 21G
7 inch resistive touch screen	✓	-	-	-
21.5 inch capacitive touch screen	-	✓	✓	✓
DIN 4301 stainless steel front panel	✓	✓	✓	-
Touch Glass Coated Front Panel	-	-	-	✓
Monitoring and Control				
General Lighting	✓	✓	✓	✓
Working, Negatoscope, UV, busy sign control	✓	✓	✓	✓
Dimming	✓	✓	✓	✓
Working Information	✓	✓	✓	✓
Heating Control	✓	✓	✓	✓
HVAC and Room Preasure	✓	✓	✓	✓
AGSS	✓	✓	✓	✓
Latching Relay	✓	✓	✓	✓
Analog input / output protections	-	✓	✓	✓
Connections				
Customizable entry profiles for surgery, cleaning and service	-	-	6 profil	6 profil
Ethernet Connection	-	1	2	2
ModBus TCP/ IP	-	✓	✓	✓
SCADA integration with Modbus RTU	-	✓	✓	✓
Gas alarm panel communication with Modbus-RTU	-	✓	✓	✓
Audio				
Audio Channel	4	4	6	6
Internal speaker	✓	✓	✓	✓
Audio amplifier for external speakers	3W	12W	15W	15W
USB MP3 Player	-	-	✓	✓
Phone				
Hands-free analog phone	✓	✓	✓	✓
Hands-free IP Phone	-	✓	✓	✓
Phone Book	-	✓	✓	✓
Video Call	-	-	✓	✓
Skype	-	-	✓	✓
Multimedia				
Internet Access	-	-	✓	✓
PDF Viewer	-	-	✓	✓
Synchronization	-	✓	✓	✓
PACS Integration	-	-	✓	✓
NTP Time Synchronization	✓	✓	✓	✓
Support				
Event Log	✓	✓	✓	✓
TeamViewer	-	-	✓	✓
Easy USB software upgrade	-	-	✓	✓

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Doc. Nr: OCP-20260107/En Owing to periodical improvements of our products, the supplied products may differ in some details from the data stated in the prospectus material.
Published by Aktif Data, subject to alteration without notice. Design & Creation: Aktif / Photos: Aktif - Stock.xchng & Shutterstock, Published Date: 07.01.2026

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