

ABOS-9D Series

Button-integrated Panel PC

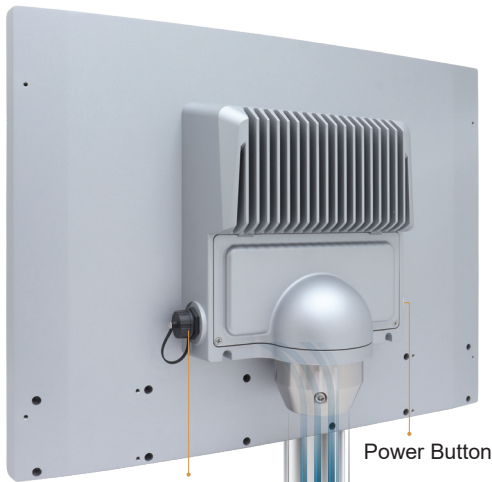
Features

- 15.6"/ 21.5" FHD Panel PC
- 16:9 Widescreen Multi-touch Control
- Built-in Functional Buttons for Intuitive Operation
- Available with Configurable Button Area
- DC 9~36V Power Input



I/O Interface Inside the Side Cover

- 2 x USB 3.2 Gen1
- 1 x HDMI
- 1 x USB 2.0
- 2 x GbE LAN



USB 2.0

Power Button

Floor stand kit

Flexible Mounting Kit with Internal Cable Routing



Swing arm kit

USB 2.0

User-defined

Stop

Key Switch

Start Reset

Emergency

Optional Accessories

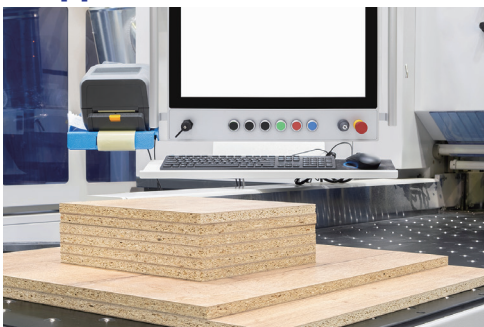


Keyboard Holder



Left-Right Handle

Applications



Specifications

Model	ABOS-916DP(H)	ABOS-921DP(H)		
System				
CPU	Intel 12th Gen. i3/i5 Processors			
Memory	2 x DDR4-3200MHz SO-DIMM slot, up to 64GB			
System Chipset	SoC			
TPM	TPM 2.0			
I/O Port				
USB	2 x USB 3.2 Gen.1 / 2 x USB 2.0			
HDMI	1 x HDMI			
LAN	1 x Intel I219-LM, RJ45 GbE LAN / 1 x Intel I210-AT, RJ45 GbE LAN			
Power	1 x 3-pin DC Power Input, Terminal Block / 1 x Power Button with Light			
Serial/Parallel	1 x RS-232(default)/422/485 select via BIOS			
Front I/O and Buttons				
Emergency Button	1 x Emergency Button			
Key Switch	1 x Key Switch (for option)			
Push Button	Default: 1 x BLUE (reset) / 1 x RED (stop) / 1 x GREEN (start) / Optional: 3 x BLACK (self-defined)			
USB Input	1 x USB 2.0 Type-A			
Others				
USB Input	1 x USB 2.0 Type-A (optional on the back cover)			
Storage				
HDD	1 x M.2 M-Key 2280 for SSD			
Expansion				
On board expansion bus	1 x M.2 B-Key 3042/3052 for 4G/5G Module 1 x M.2 E-key 2230 slot for Wi-Fi/BT Module 1 x Nano SIM card			
Display				
Display Type	15.6" TFT-LCD	21.5" TFT-LCD		
Max. Resolution	1920 x 1080	1920 x 1080		
Max. Color	16.7M	16.7M		
Luminance (cd/m ²)	500	1000	250	1000
View Angle (H°/V°)	178/178	165/165	178/178	174/174
Contrast	1000:1		1000:1	
Backlight Lifetime (hrs)	50,000	50,000	50,000	50,000
Touch Screen				
Type	Projected Capacitive Touch			
Interface	USB			
Light Transmission (%)	Over 90%			
Power				
Power Input	DC 9~36V Input			
Mechanical				
Construction	Front Bezel: Aluminum CNC / Rear Housing: Aluminum			
IP Rating	Full IP65			
Mounting	Swing arm support Rittal CP-40			
Bracket	Left-Right Handle: Aluminum / Keyboard Holder: SECC			
Dimension (mm)	TBD	545.8 x 418 x 135		
Net Weight (kgs)	TBD	TBD		
Environment				
Operating Temperature (°C)	0~50°C			
Storage Temperature (°C)	-30~70°C			
Storage Humidity	10 to 90% @ 40°C, Non- condensing			
Certification	Meet CE/FCC Class A			
OS Support	Windows 10 IoT / Windows 11 / Linux Kernel 5.15			