

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 x1
- 1 x HDMI
- 2 x USB 2.0
- 2 x GbE LAN
- 1 x COM



Floor stand kit

Flexible Mounting Kit with Internal Cable Routing



Optional Accessories

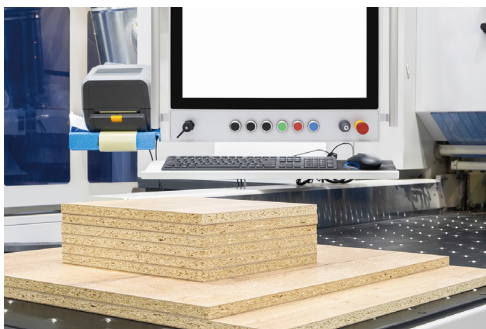


Keyboard Holder



Left-Right Handle

Applications



Specifications

Model	ABOS-916DP		ABOS-921DP
System			
CPU	13th/12th Gen. Intel i3/i5 Processors		
Memory	1 x DDR5-4800MHz SO-DIMM (Non-ECC) sockets, up to 48GB		
System Chipset	SoC		
TPM	TPM 2.0		
Internal I/O Port			
USB	2 x USB 3.2 Gen.1 / 2 x USB 2.0		
HDMI	1 x HDMI, 4096 x 2304@60Hz		
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		
Rear I/O Port			
USB Input	1 x USB 2.0 Type-A		
Storage			
HDD	1 x M.2 M-Key 2280 for SSD (PCIe 3.0 x4) 1 x 2.5" HDD Bay		
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/m²)	500	250	
View Angle (H°/V°)	178/178	178/178	
Contrast	1000:1	1000:1	
Backlight Lifetime (hrs)	50,000	30,000	
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 Mount (Default) / Stand *support Rittal CP-40		
Bracket	Left-Right Handle: Aluminum / Keyboard Holder: SECC		
Dimension (mm)	409.9 x 341.1 x 130	545.8 x 418 x 135	
Net Weight (kgs)	16 kg	13.32 kg	
Enviroment			
Operating Temperature (°C)	0~50°C (ambient w/ air flow)		
Storage Temperature (°C)	-30~70°C		
Storage Humidity	10 to 90% @ 40°C, Non- condensing		
Certification	CE/FCC Class A		
OS Support	Windows 10 IoT LTSC, Windows 11 IoT, Ubuntu 24.04 (Linux Kernel 5.15)		