



FANLESS ALUMINIUM PANEL PC

POWER REQUIREMENTS	
POWER INPUT	9-36V DC
POWER CONSUMPTION	TBD
POWER INTERFACE	1x Terminal Block
MECHANICAL FEATURES	
STRUCTURE & SURFACE	Zero Bezel Aluminium front panel; Aluminium Die-Casting Chassis
DIMENSIONS	291 x 230 x 55 mm (Cutout: 281 x 220 mm)
WEIGHT	2.31 Kg
INSTALLATION	Panel Mount / VESA 100 x 100
IP RATING	IP66 Compliant Front Bezel
ENVIRONMENTAL FEATURES	
STANDARD CERTIFICATIONS	CE / FCC Class A
OPERATING TEMPERATURE	-20°C to 60°C
STORAGE TEMPERATURE	-30°C to 70°C
HUMIDITY	10 - 95% @ 40°C, Non-Condensing
NOTES	
ORDERING INFO	Brightness, CPU, RAM and SSD must be specified in the request
AiTRON-812C	12.1" TFT, 1024x768, Intel® N97 Processor, PCT, 9-36V DC, 350cd/m ²
AiTRON-812CH	12.1" TFT, 1024x768, Intel® N97 Processor, PCT, 9-36V DC, 1000cd/m ²
AiTRON-812C	12.1" TFT, 1024x768, Intel® Atom™ x7425E, PCT, 9-36V DC, 350cd/m ²
AiTRON-812CH	12.1" TFT, 1024x768, Intel® Atom™ x7425E, PCT, 9-36V DC, 1000cd/m ²

TYPE	FANLESS ALUMINIUM PANEL PC	
DISPLAY		
SIZE/TYPE	12.1" TFT-LCD, 4:3	
RESOLUTION	1024x768	
BRIGHTNESS	350cd/m ²	1000cd/m ²
MAX. COLOR	16.2M	16.7M
VIEW ANGLE	170/170	178/178
CONTRAST	800:1	
TOUCHSCREEN		
TOUCHSCREEN	Projected Capacitive Touch (P)	
INTERFACE	USB	
LIGHT TRANSMISSION	Projected Capacitive Touch: 90%	
SYSTEM		
CPU	Intel® N97 Processor, Quad Core 2.0GHz, 12W Intel® Atom™ x7425E, Quad Core 1.5GHz, 12W	
CHIPSET	SoC	
RAM	1x DDR5 SO-DIMM, 4800MHz, up to 32GB	
OPERATING SYSTEM	Windows 10 / Windows 11 / Linux 24.04	
I/O		
USB	2x USB 3.2 (Gen1) Type-A, 2x USB 2.0 Type-A	
SERIAL	1x DB9 RS232/422/485 (COM1 RS-232 default) 1x DB9 RS232/422/485 (COM2 RS-232 default) optional, 1x DB9 RS232 (COM3), optional	
ETHERNET	2x 2.5 GbE LAN RJ45 (2x Intel® I226V/IT)	
VIDEO	1x HDMI 1.4	
STORAGE		
HDD/SSD	1x M.2 2280 M-Key socket (SATA 3.0 and PCIe 3.0 x1), Default is SATA Type	
TPM	Onboard TPM2.0	
WATCHDOG TIMER	1-255 sec (system)	
WAKE ON LAN	Support WOL	
EXPANSION SLOTS		
EXPANSION	1x M.2 2230 E-Key (USB2.0, PCIe x1) for optional Wi-Fi/BT module 1x M.2 3042/3052 B-Key (PCIe x1, USB3.2 Gen1, USB2.0) for optional LTE/5G module 1x Nano-SIM slot	

