



SS
304

VESA

Flat Bezel



PhanTAM-821B

MECHANICAL	
CONSTRUCTION	304 Stainless Steel Chassis (Default) 316 Stainless Steel Chassis (Optional)
MOUNTING	VESA Mount 100x100, Swing ARM / Floor Stand (Optional)
DIMENSIONS (mm)	540.4 x 332.4 x 61.9 mm
NET WEIGHT (kg)	7.9 kg
IP RATING	TOTAL IP66 Compliant Front Bezel / IP69K (Optional)
CERTIFICATE	CE / FC CLASS A
ENVIRONMENT	
OPERATING TEMPERATURE	0 ~ 50° C Optional -20 ~ 60° C
STORAGE TEMPERATURE	-30 ~ 70° C
STORAGE HUMIDITY	10 ~ 90 % non-condensing
ORDERING	
PhanTAM-821BP	21.5" FHD IP66/IP69K Stainless Steel panel PC, J6412, 1x SO-DIMM DDR4 SLOTS, 250nits, 128GB TLC SSD, PCAP touch, 9-36V DC power input adapter
PhanTAM-821BH	21.5" FHD IP66/IP69K Stainless Steel panel PC, J6412, 1x SO-DIMM DDR4 SLOTS, 1000nits, 128GB TLC SSD, RES touch, 9-36V DC power input adapter

MODEL	PhanTAM-821B	
SYSTEM		
CPU	Intel® Celeron® J6412 2.20 GHz	
SYSTEM CHIPSET	SoC	
MEMORY	1x 260-pin SO-DIMM up to 32GB DDR4 3200MHz	
OPERATING SYSTEM	Windows 10/11® IoT/Professional	
TPM	TPM 2.0	
I/O		
USB	1x M12 8-pin for 2x USB 2.0 Waterproof Cover	
SERIAL/PARALLEL	1x M12 8-pin COM1, RS232/422/485, default RS-232 Waterproof Cover	
LAN	1x M12 8-pin for LAN Waterproof Cover	
POWER CONNECTOR	1x M12 3-pin for DC power cover, 1x power switch on the rear	
ADDITIONAL I/O - max. 2x Option	2x USB 2.0, 1x USB 3.2 Gen. 1, 1x HDMI, 1x LAN, 1x COM, 1x CAN	
STORAGE		
M.2	1x M.2 B-Key 2242/2280 for SSD (SATA3)	
EXPANSIONS		
EXPANSION SLOTS	1x Full size Mini PCIe slot for SSD (SATA3)	
	1x Micro SIM Slot	
	1x M.2 E-Key 2230 for Optional WIFI/BT Module	
RFID MODULE	RFID module design on the front side (Option)	
DISPLAY		
	STANDARD	OPTIONAL HIGH BRIGHTNESS
DISPLAY TYPE	21.5" TFT-LCD 16:9	
MAX RESOLUTION	1920 x 1080	
MAX COLOR	16.7M	
BRIGHTNESS (cd/m²)	250	1000
VIEW ANGLE (H°/V°)	178x178	178x178
BACKLIGHT LIFETIME (hrs)	50000	
CONTRAST	1000:1	3000:1
TOUCHSCREEN		
TYPE	Projected Capacitive (P)	
INTERFACE	USB	
LIGHT TRANSMISSION	Capacitive: 90%	
POWER		
POWER INPUT	9 ~ 36V DC	
POWER CONSUMPTION	39.8W (P)	

