



ALUMINIUM PANEL PC

MECHANICAL	
CONSTRUCTION	Aluminium Front Bezel, Aluminium die-casting chassis
MOUNTING	Panel Mount, VESA 100x100
DIMENSIONS (mm)	328 x 227 x 57.6
NET WEIGHT (kg)	2.9 kg
IP RATING	IP66 compliant front bezel
CERTIFICATE	UL / CE / FCC Class A
ENVIRONMENT	
OPERATING TEMPERATURE	0 ~ 50° C -20 ~ 60° C (Optional)
STORAGE TEMPERATURE	-30 ~ 70° C
STORAGE HUMIDITY	10 ~ 95% @40 non-condensing
INQUIRY CODES	
VISION-912WBR	12.1" TFT, 1280x800, Intel® Core 8th Gen, RTS, 9-36V DC, 600cd/m2
VISION-912WBRH	12.1" TFT, 1280x800, Intel® Core 8th Gen, RTS, 9-36V DC, 1000cd/m2
VISION-912WBP	12.1" TFT, 1280x800, Intel® Core 8th Gen, PCT, 9-36V DC, 600cd/m2
VISION-912WBPH	12.1" TFT, 1280x800, Intel® Core 8th Gen, PCT, 9-36V DC, 1000cd/m2
NOTE	RAM and Storage capacity must be specified in the inquiry

MODEL	VISION-912WB	
SYSTEM		
CPU	Onboard 8th Gen Intel® Core i3-8145UE Processor(2C/4T,2.2GHz) Onboard 8th Gen Intel® Core i5-8365UE Processor(4C/8T,1.6GHz)	
SYSTEM CHIPSET	SoC	
MEMORY (MAX)	1x 260-pin SO-DIMM up to 32GB DDR4 2400MHz	
OPERATING SYSTEM	Windows 10/11®	
GRAPHICS	Intel HD® Graphics 313/854MHz	
INTERFACE PORTS		
USB/SERIAL	4x USB 3.0 Type A, 1x DB-9, 1x RS-232 COM1, 1x RS-232/422/485 COM 2	
LAN	2x GbE LAN RJ-45	
AUDIO	1x Audio Line Out	
VIDEO	1x DP Port	
ADDITIONAL PORTS	4G LTE Wi-Fi 4/5/6 + BT 4x USB 2.0 type A 4x USB 2.0 type A + 1x Mini-PCIe + 1 SIM slot 2x COM 1x COM + 2x USB 2.0 1x COM + 2x USB 2.0 + 1x Power Button 2x COM + 1x Mini-PCIe slot + 1x SIM slot 2x Conf. COM 2x CAN 1x LAN + 2x USB 2.0 type A	
UPS (Optional)	UPS Battery 21W - UPS and TB-528 board can not coexist	
STORAGE		
M.2	1x M-Key slot (Support PCIe/SATA / 2241/2280 / Default 2242)	
EXPANSIONS		
Onboard expansion bus	1x Mini-PCIe slot (full size) 1x Nano SIM Card Holder	
DISPLAY		
DISPLAY TYPE	12.1" TFT-LCD 16:10	
MAX RESOLUTION	1280 x 800	
MAX COLOR	16.7M	
BRIGHTNESS (cd/m²)	600	1000
VIEW ANGLE (H°/V°)	170/170	176/176
CONTRAST	700:1	1000:1
TOUCHSCREEN		
TYPE	Resistive (R)	Projected Capacitive (P)
INTERFACE	USB	
LIGHT TRANSMISSION	Resistive 80%	Capacitive 90%
POWER		
POWER INPUT	9 ~ 36V DC	
POWER CONSUMPTION	MAX. 50W	
POWER PORTS	1X 3-pin Terminal Block Connector 1x 2-pin Power Switch Connector	

