



ALUMINIUM PANEL PC

MECHANICAL	
CONSTRUCTION	Aluminium Front Bezel, Aluminium die-casting chassis
MOUNTING	Panel Mount, VESA 100x100
DIMENSIONS (mm)	319 x 245 x 51.7
NET WEIGHT (kg)	2.8 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-912BR	12.1" TFT, 800x600, Intel® Core 8th Gen, RTS, 9-36V DC, 450/500cd/m2
VISION-912BRH	12.1" TFT, 1024x768, Intel® Core 8th Gen, RTS, 9-36V DC, 1000cd/m2
VISION-912BP	12.1" TFT, 800x600, Intel® Core 8th Gen, PCT, 9-36V DC, 450/500cd/m2
VISION-912BPH	12.1" TFT, 1024x768, Intel® Core 8th Gen, PCT, 9-36V DC, 1000cd/m2
NOTE	RAM and Storage capacity must be specified in the inquiry

VISION-912B	
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 1x LAN (45W isolated POE PD) + 2x USB 2.0 type A (TB-528E1U2U POE)
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 4:3
MAX RESOLUTION	800 x 600 1024 x 768
MAX COLOR	16.2M
BRIGHTNESS (cd/m²)	450/500 1000
VIEW ANGLE (H°/V°)	178/178
CONTRAST	700:1 1000:1 1500:1
TOUCHSCREEN	
TYPE	Resistive (R) Projected Capacitive (P)
INTERFACE	USB
LIGHT TRANSMISSION	Resistive 80% Capacitive 90%
POWER	
POWER INPUT	9 ~ 36V DC
POWER CONSUMPTION	MAX. 56W
POWER PORTS	1X 3-pin Terminal Block Connector 1x 2-pin Power Switch Connector

