IP65 water-proof **Sunlight readable** LCD PC DWP15N

DWP series are all terrain, weather series of LCD PCs for harsh and demanding applications where corrosion resistance and protection from environmental conditions. **DWP series** has lightweight panel computers are housing in the built aluminum alloy enclosure with IP65 sealed connectors. **DWP Series** products offer a range of feature sets optimized for varying requirements and applications. The product range combines state of the art display and computer technology with innovative features and options, making it all that the integrator needs for top class type marine systems. **DWP series** Panel Computer features are LED backlight technology, full dimming and multi-power all as standard. In addition there are options such as SSD storage mediums, multiple interface configurations and several OS options.

DWP LCD PC (15"- XGA) Standard Features,

- **High resolution LED display for all terrain, weather conditions**

- **IP68/NEMA6- 100% sealed of enclosure**

- **Ultra brightness LED back light system, touch by finger to dimming adjust to any light**

- **Display Specification: Display size- XGA 1,024 x 768 pixels.**
  Brightness- 1,000nit (cd/m2)
  Soft touch by finger to dimming adjust(0nit to Full brightness)
  Accept wide range resolution VGA to SXGA
- **Touch Screen: Standard 5W Resistive Touch(Optional: P. Cap Touch**

- **Computer Specification: CPU- Intel® Pentium® processor N3350, 1.1 ~ 2.4GHz** or
  Intel® Pentium® processor N4200, 1.1 ~ 2.5GHz
  System Chipset: SoC integrated
  SSD: 250GB 2.5-inch SSD, SATA 6.0Gb/s
  Memory: DDR3L-1867 SO-DIMM Dual Channel, up to 8GB
  OS program: Windows 10

- **True DC operation system with noise filter available (Free of DC 10V to 38V)**

- **3 way installation (VESA/Panel/Bracket mount)**

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DWP15N Specifications

Display Description		Mechanical Description	
TFT Characteristics		Dimensions	374(W) x 314(H) x 88 (D) mm
LCD Type	15" TFT LCD	User Key Controls	Front Fixed, Knob type
Max. Resolution	1,024 x 768 pixels	Case Material	Aluminum Sheet
Active Display Area	304.128 x 228.096 mm	Set Mounting	VESA / Flush mounting
Brightness	420cd/m2, 1,000 cd/m2 (Typ.)	Sealed Rate	Front /Rear IP65
Contrast Ratio	800:1 (typ.)	**Environmental Specifications**	
View Angle	150 °/ 150 °	Operating Temperature	0 to +60 °C
Pixel Colors	16.2 million	Storage Temperature	-10 to +80 °C
Backlight Cycle	70,000 hours (Typ.)	Operating Humidity	5% to 90% (non condensing)
		Storage Humidity	5% to 90% (non condensing)
Computer Specifications		**In-Output Connectors**	
Installed OS	Window10-Microsoft	Ethernet GB LAN	2 x RJ45, 10/100/1000 Mbps
Installed Storage	250GB 2.5-inch SSD, SATA 6.0Gb/s	Keyboard	PS2
CPU/Processor	Intel® Pentium® N3350 Intel® Pentium® N4200 (Option)	Mouse	PS2
Installed Memory	DDR3L-1867 SO-DIMM Dual Channel, up to 8GB	RS-232/422/485	COM1/2 : RS232/422/484
System Chipset	SoC integrated	LPT / Parallel	None
Graphic Chipset	Intel® integrated Gfx graphic engine	RGB OUT	1 x RGB
Ethernet LAN	Realtek RTL8111F controller onboard	USB	4 x USB3.0
	2 ports 10/100/1000 Mbps support Wake-on-LAN	**Power Input Specifications**	
Audio Chipset	HD Codec as Mic-in/Line-out with Realtek ALC662	DC Power Input	10 ~ 38VDC
Watchdog Timer	255 Levels, 1 ~ 255 sec	Power Consumption	60 Watts
Computer Configurations		**Touch Screen (Option)**	
CPU	Intel® Pentium® processor N3350, 1.1 ~ 2.4GHz Intel® Pentium® processor N4200, 1.1 ~ 2.5GHz	Multi Touch	Projected Capacitive Touch screen
Memory	DDR3L 4GB 1867 SO-DIMM, up to 8GB	Analog Touch	5W Resistive Touch Screen
Storage	Crucial 2.5-inch 250GB, SATA 6.0Gb/s 540MB/s Read, 510MB/s Write		
OS Program	Windows 10		
Factory Options			
- Variations of SSD / HDD Storage, RAM Memory, Operating System			
Circular Connectors			
Ethernet GB LAN	CU-18PMMP-SC7001	RGB OUT	CU-18PMMP-SC7001
Keyboard / Mouse	CU-18PMMP-SC7001	USB	CU-18PMMP-SC7001
RS-232/422/485	AU-06PMMP-SC7001	DC Power Input	BB-03PMFP-SC7001

Safety Considerations
Even although, test conditions for bridge units provide for maximum operation temperature of 70℃, continuous operation of all electronic components should, if possible, take place at ambient temperatures of only 25℃. This is a necessary prerequisite for long life and low service costs.

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