







Marine Advantages:

- Sunlight Readable Marine Display
- High Brightness LCD Technology
- Anti-vibration and Anti-corrosion
- Reliability Products Compliant with IEC60945
- AOT Optical Bonding Technology
- Advance Multi Touch Technology



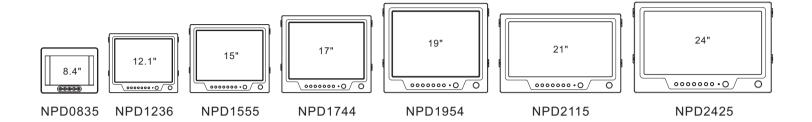












NAVPIXEL™ Marine Display Series

IP65/IP68 Sunlight Readable Marine Display

NAVPIXEL™ NPD is a new series of marine grade display. With high-performance sunlight viewability LED backlight LCD panels, these rugged touch monitors are specially engineered to survive from the most demanding working environment. Housed in the milled billet aluminum case, the slim-profile NAVPIXEL™ NPD displays are all light weight and watertight with fully sealed IP65 connectors (NPD0835 up to IP68). In addition, through integrating touchscreen technology and sunlight readable LCD, these monitors can be used not only leisure activities such as fishing and cruising but also more professional marine projects!

Main Features

- IP65 Marine Grade Display (NPD0835 up to IP68)
- 1000~1600 nits Sunlight Readable LCD
- Advanced Optical Bonding (AOT)
- Resistive or PCT Touch/ AR Glass Support
- Long Life, Low Power Consumption LED Backlight
- Night Mode Support
- Wide Dimming Potentiometer
- Rich I/O: VGAx2, DVIx2, CVBSx3 (17 "above) PIP Function Support (17 "above)
- -20°C~60°C Wide Operation Temperature
- 9~36V DC input
- Slim Bezel Design
- Anti-Shock and Anti-Vibration Resistance
- **Conformal Coating**

Application

Marine





- Features:
 1000 nits Sunlight Readable LCD
- LED Backlight
- Wide Operating Temperature
- Advanced Optical Bonding (AOT)
- IR Touch Support
- IP65/IP68 Design
- AR Glass Support
- 9-36V DC Input



















Specifications		
Model Number	NPD0835	
Description	8.4" IP65/IP68 Sunlight Readable Marine Display	
LCD Display		
Backlight	LED Backlight	
Active Display Area	170.4x127.8 mm	
Brightness	1000 cd/m ²	
Resolution	800x600 (SVGA)	
Contrast Ratio	600:1	
Pixel Pitch (mm)	0.213(H)x0.213(V)	
Viewing Angle	+60°~60°(H), +55°~65°(V)	
Display Color	16.2M	
Response Time	Tr 10ms / Tf 20ms	
Inputs	VGAx1	
Mechanical		
IP Rating	IP65/IP68 (NEMA6P Submersible)	
Construction	Rugged Aluminum Alloy Chassis	
Mounting	RAM mount, VESA mount	
Dimension	250mm (W) x 200mm(H) x 64mm(D)	
Net Weight	3kg	
Power		
Voltage	DC Input 9~36V	
Power Consumption	9.5W	
Environmental		
Operating Temperature	-20°C~60°C (-4°F~140°F)	
Storage Temperature	-30°C~75°C (-22°F~167°F)	
Certification	CE/FCC	
Marine Type Approval	IEC 60945 BV Marine and IACS-E10 Approval	













- Features:
 1000 nits Sunlight Readable LCD
- LED Backlight
- Wide Operating Temperature
- Advanced Optical Bonding (AOT)
- Resistive Touch Support
- Front IP65 Design
- AR Glass Support
- 9-36V DC Input





















Specifications		
Model Number	NPD1236	
Description	12.1" IP65 Sunlight Readable Marine Display	
LCD Display		
Backlight	LED Backlight	
Active Display Area	245.76x184.32 mm	
Brightness	1000 cd/m ²	
Resolution	1024x768 (XGA)	
Contrast Ratio	700:1	
Pixel Pitch (mm)	0.24(H)x0.24(V)	
Viewing Angle	140°(H), 140°(V)	
Display Color	262k	
Response Time	Tr 6ms / Tf 17ms	
Inputs	VGAx1, DVIx1, Composite x3, RS232x1, USBx1	
Mechanical		
IP Rating	Fascial waterproof to IP65 standards when console mounted.	
Construction	Rugged Aluminum Alloy Chassis	
Mounting	Panel (Flush) mount, VESA mount	
Dimension (WxHxD)	297.2mm x 256mm x 56mm	
Net Weight	2.5kg	
Power		
Voltage	DC Input 9~36V	
Power Consumption	24W	
Environmental		
Operating Temperature	-20°C~60°C (-4°F~140°F)	
Storage Temperature	-20°C~70°C (-4°F~158°F)	
Optional	☐ Glasses ☐ Resistive Touch ☐ PCT Touch	
Certification	CE/FCC	
Marine Type Approval	IEC 60945 BV Marine and IACS-E10 Approval	















- Features:
 1000 nits Sunlight Readable LCD
- LED Backlight
- Wide Operating Temperature
- Advanced Optical Bonding (AOT)
- Resistive Touch Support
- Front IP65 Design
- AR Glass Support
- 9-36V DC Input

















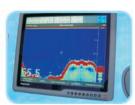




Specifications		
Model Number	NPD1555	
Description	15" IP65 Sunlight Readable Marine Display	
LCD Display		
Backlight	LED Backlight	
Active Display Area	304.128x228.096 mm	
Brightness	1000 cd/m ²	
Resolution	1024x768 (XGA)	
Contrast Ratio	700:1	
Pixel Pitch (mm)	0.297(H)x0.297(V)	
Viewing Angle	160°(H), 160°(V)	
Display Color	16.2M	
Response Time	Tr 8ms / Tf 17ms	
Inputs	VGAx1, DVIx1, Composite x3, RS232x1, USBx1	
Mechanical		
IP Rating	Fascial waterproof to IP65 standards when console mounted.	
Construction	Rugged Aluminum Alloy Chassis	
Mounting	Panel (Flush) mount, VESA mount	
Dimension (WxHxD)	352.8mmx 303.3mmx 56.4mm	
Net Weight	3.5kg	
Power		
Voltage	DC Input 9~36V	
Power Consumption	40.8W	
Environmental		
Operating Temperature	-20°C~60°C (-4°F~140°F)	
Storage Temperature	-20°C~70°C (-4°F~158°F)	
Optional	☐ Glasses ☐ Resistive Touch ☐ PCT Touch	
Certification	CE/FCC	
Marine Type Approval	IEC 60945 BV Marine and IACS-E10 Approval	



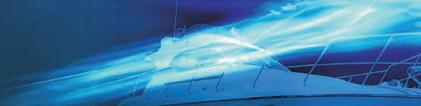












- Features:
 1000 nits Sunlight Readable LCD
- LED Backlight
- Wide Operating Temperature
- Advanced Optical Bonding (AOT)
- Resistive Touch Support
- Front IP65 Design
- 9-36V DC Input
- Picture In Picture Function















Model Number	NPD1744	
Description	17" IP65 Sunlight Readable Marine Display	
LCD Display		
Backlight	LED Backlight	
Active Display Area	337.92x270.336 mm	
Brightness	1000 cd/m ²	
Resolution	1280x1024 (SXGA)	
Contrast Ratio	800:1	
Pixel Pitch (mm)	0.264(H)x0.264(V)	
Viewing Angle	160°(H), 160°(V)	
Display Color	16.7M	
Response Time	Tr 3.5ms / Tf 1.5ms	
Inputs	VGAx2, DVIx2, Composite x3, RS232x1, USBx1	
Picture in Picture	3 Stages (child, split and wide screen)	
Mechanical		
IP Rating	Fascial waterproof to IP65 standards when console mounted.	
Construction	Rugged Aluminum Alloy Chassis	
Mounting	Panel (Flush) mount, VESA mount	
Dimension (WxHxD)	384mm x 348.1mm x 57.8mm	
Net Weight	4.5kg	
Power		
Voltage	DC Input 9~36V	
Power Consumption	50W	
Environmental		
Operating Temperature	-10°C~50°C (-14°F~122°F)	
Storage Temperature	-20°C~70°C (-4°F~158°F)	
Optional	☐ Glasses ☐ Resistive Touch ☐ PCT Touch	
Certification	CE/FCC	
Marine Type Approval	IEC 60945 BV Marine and IACS-E10 Approval	



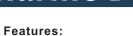












- 1000 nits Sunlight Readable LCD
- LED Backlight
- Wide Operating Temperature
- Advanced Optical Bonding (AOT)
- Resistive Touch Support
- Front IP65 Design
- 9-36V DC Input
- Picture In Picture Function





















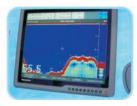
Specifications		
Model Number	NPD1954	
Description	19" IP65 Sunlight Readable Marine Display	
LCD Display		
Backlight	LED Backlight	
Active Display Area	376.32x301.06 mm	
Brightness	1000 cd/m ²	
Resolution	1280x1024 (SXGA)	
Contrast Ratio	1000:1	
Pixel Pitch (mm)	0.294(H)x0.294(V)	
Viewing Angle	170°(H), 160°(V)	
Display Color	16.7M	
Response Time	Tr 3.6ms / Tf 1.4ms	
Inputs	VGAx2, DVIx2, Composite x3, RS232x1, USBx1	
Picture in Picture	3 Stages (child, split and wide screen)	
Mechanical		
IP Rating	Fascial waterproof to IP65 standards when console mounted.	
Construction	Rugged Aluminum Alloy Chassis	
Mounting	Panel (Flush) mount, VESA mount	
Dimension (WxHxD)	421.9mmx 375.5mmx 56.8mm	
Net Weight	5.5kg	
Power		
Voltage	DC Input 9~36V	
Power Consumption	55W	
Environmental		
Operating Temperature	-10°C~50°C (-14°F~122°F)	
Storage Temperature	-20°C~70°C (-4°F~158°F)	
Optional	☐ Glasses ☐ Resistive Touch ☐ PCT Touch	
Certification	CE/FCC	

IEC 60945 BV Marine and IACS-E10 Approval





Marine Type Approval









- Features:
 1000 nits Sunlight Readable LCD
- LED Backlight
- Wide Operating Temperature
- Advanced Optical Bonding (AOT)
- Resistive Touch Support
- Front IP65 Design
- 9-36V DC Input
- Picture In Picture Function



















Specifications

Model Number	NPD2115	
Description	21.5" IP65 Sunlight Readable Marine Display	
LCD Display		
Backlight	LED Backlight	
Active Display Area	476.64x268.11 mm	
Brightness	1000 cd/m ²	
Resolution	1920x1080(Full HD)	
Contrast Ratio	1000:1	
Pixel Pitch (mm)	0.248(H) x 0.248(V)	
Viewing Angle	170°(H), 160°(V)	
Display Color	16.7M	
Response Time	5 ms	
Inputs	VGAx2, DVIx2, Composite x3, RS232x1	
Picture in Picture	3 Stages (child, split and wide screen)	
Mechanical		
IP Rating	Fascial waterproof to IP65 standards when console mounted.	
Construction	Rugged Aluminum Alloy Chassis	
Mounting	Panel (Flush) mount, VESA mount	
Dimension (WxHxD)	525.8mm x 345.2 mm x 56.4mm	
Net Weight	5.5kg	
Power		
Voltage	DC Input Voltage: DC 9~36V	
Power Consumption	26W	
Environmental		
Operating Temperature	-10°C~50°C (-14°F~122°F)	
Storage Temperature	-20°C~70°C (-4°F~158°F)	
Optional	☐ Glasses ☐ Resistive Touch ☐ PCT Touch	
Certification	CE/FCC	
Marine Type Approval	IEC 60945 BV Marine and IACS-E10 Approval	













- Features:
 1000 nits Sunlight Readable LCD
- LED Backlight
- Wide Operating Temperature
- Advanced Optical Bonding (AOT)
- Resistive Touch Support
- Front IP65 Design
- 9-36V DC Input
- Picture In Picture Function

















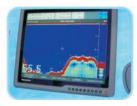




Specifications		
Model Number	NPD2425	
Description	24" IP65 Sunlight Readable Marine Display	
LCD Display		
Backlight	LED Backlight	
Active Display Area	531.36x298.89 mm	
Brightness	1000 cd/m ²	
Resolution	1920x1080(Full HD)	
Contrast Ratio	3000:1	
Pixel Pitch (mm)	0.276(H) x 0.276(V)	
Viewing Angle	178°(H), 178°(V)	
Display Color	16.7M	
Response Time	25 ms	
Inputs	VGAx2, DVIx2, Composite x3, RS232x1	
Picture in Picture	3 Stages (child, split and wide screen)	
Mechanical		
IP Rating	Fascial waterproof to IP65 standards when console mounted.	
Construction	Rugged Aluminum Alloy Chassis	
Mounting	Panel (Flush) mount, VESA mount	
Dimension (WxHxD)	584.2mm x 374.8 mm x 57.7mm	
Net Weight	7.8kg	
Power		
Voltage	DC Input Voltage: DC 9~36V	
Power Consumption	50W	
Environmental		
Operating Temperature	-10°C~50°C (-14°F~122°F)	
Storage Temperature	-20°C~70°C (-4°F~158°F)	
Optional	☐ Glasses ☐ Resistive Touch ☐ PCT Touch	
Certification	CE/FCC	
Marine Type Approval	IEC 60945 BV Marine and IACS-E10 Approval Pending	











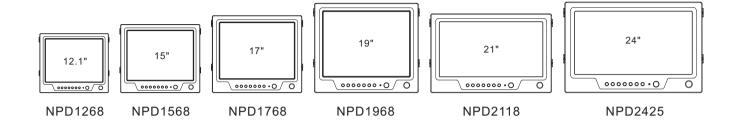


Marine Display Ordering Information

NPD Series

Part Number	Description
NPD0835-ETAW-A01	8.4",1000nits,SVGA,Touch-usb.LID08A,AD5621G,WP,AOT,V01
NPD0835-EGAW-A01	8.4",1000nits,SVGA,LID08A,O/F,AR Glass,AD5621G,WP,AOT,V01
NPD1236-EGAW-G01	12",1000nits,XGA,AR glass.LID12B02,AD2662,WP,AOT,V01
NPD1236-EGAW-G011	12",1000nits,XGA,AR glass.LID12B02,AD2662,WP,AOT.with adaptor,V01
NPD1236-ETAW-G01	12", 1000nits, XGA, Touch-usb. Transparency:80%,LID12B02.AD2662,WP,AOT,V01
NPD1236-ETAW-G011	12",1000nits,XGA,Touch-usb.(Transparency:80%)LID12B02.AD2662,WP,AOT,with adaptor.V01
NPD1555-EGAW-G01	15",1000nits.XGA,AR glass.LID15B01,AD2662,WP,AOT,V01
NPD1555-EGAW-G011	15",1000nits,XGA,AR glass.LID15B01,AD2662,WP,AOT.with adaptor,V01
NPD1555-ETAW-G01	15",1000nits,XGA,Touch-usb.(Transparency:80%),LID15B01.AD2662,WP,AOT,V01
NPD1555-ETAW-G011	15",1000nits,XGA,Touch-usb.(Transparency:80%),LID15B01.AD2662,WP,AOT,with adaptor.V01
NPD1744-EGAW-H01	17",1000nits,SXGA,AR glass.LID17B01,AD8668,WP,AOT,V01
NPD1744-EGAW-H011	17",1000nits,SXGA,AR glass.LID17B01,AD8668,WP,AOT.with adaptor,V01
NPD1744-ETAW-H01	17",1000nits, SXGA,Touch-usb.Transparency:80,LID17B01.AD8668,WP,AOT,V01
NPD1744-ETAW-H011	17",1000nits,SXGA,Touch-usb.(Transparency:80%),LID17B01.AD8668,WP,AOT,with adaptor.V01
NPD1954-EGAW-H01	19",1000nits,SXGA,AR glass.LID19B02,AD8668,WP,AOT,V01
NPD1954-EGAW-H011	19",1000nits,SXGA,AR glass.LID19B02,AD8668,WP,AOT.with adaptor,V01
NPD1954-ETAW-H01	19",1000nits,SXGA,Touch-usb.(Transparency:80%),LID19B02.AD8668,WP,AOT,V01
NPD1954-ETAW-H011	19",1000nits,SXGA,Touch-usb.(Transparency:80%),LID19B02.AD8668,WP,AOT,with adaptor.V01
NPD2115-EGAW-H01	21.5",1000nits,FHD,AR Glass.LID21,AD8668,WP,VR,AOT,V01
NPD2115-EGAW-H011	21.5",1000nits,FHD,AR Glass.LID21,AD8668,WP,VR,AOT.with adaptor,V01
NPD2115-ETAW-H01	21.5",1000nits,FHD,Touch-usb.(Transparency:80%),LID21.AD8668,WP,VR,AOT,V01
NPD2115-ETAW-H011	21.5",1000nits,FHD.T/OT-5w-res-usb.(Transparency:80%),LID21.AD8668,WP,VR,AOT.with adaptor,V01
NPD2425-EGAW-H01	24",1000nits,FHD,AR Glass.LID24,AD8668,WP,VR,AOT,V01
NPD2425-EGAW-H011	24",1000nits,FHD,AR Glass.LID24,AD8668,WP,VR,AOT.with adaptor,V01
NPD2425-ETAW-H01	24",1000nits,FHD.T/OT-5w-res-usb.(Transparency:80%),LID24.AD8668,WP,VR,AOT,V01
NPD2425-ETAW-H011	24",1000nits,FHD.T/OT-5w-res-usb.(Transparency:80%),LID24.AD8668,WP,VR,AOT.with adaptor,V01

Multi-Touch Marine Display



NAVPIXEL™ Marine Display Series

IP65 Sunlight Readable PCT Multi-Touch Marine Display

NAVPIXEL™ NPD is a new series of marine grade display. With high-performance sunlight viewability LED backlight LCD panels, these rugged touch monitors are specially engineered to survive from the most demanding working environment. Housed in the milled billet aluminum case, the slim-profile NAVPIXEL™ NPD displays are all light weight and watertight with fully sealed IP65 connectors. In addition, through integrating touchscreen technology and sunlight readable LCD, these monitors can be used not only leisure activities such as fishing and cruising but also more professional marine projects!

Main Features

- IP65 Marine Grade Display
- 1600 nits Sunlight Readable LCD
- Advanced Optical Bonding (AOT)
- Projected Capacitive Multi-Touch Support
- Long Life, Low Power Consumption LED Backlight
- Night Mode Support
- Wide Dimming Potentiometer
- Rich I/O: VGAx2, DVIx2, CVBSx3 (17 "above)
- PIP Function Support (17 "above)
- -20°C~60°C Wide Operation Temperature
- Isolation Power 9~36V DC input
- Slim Bezel Design
- Anti-Shock and Anti-Vibration Resistance
- Conformal Coating

Application

Marine



CE FC



12.1" Multi-Touch Marine Display

Features:

- 1600 nits Sunlight Readable LCD
- LED Backlight
- Wide Operating Temperature
- Advanced Optical Bonding (AOT)
- Projected Capacitive Multi-Touch Support
- Front IP65 Design
- AR Glass Support
- Isolation Power 9-36V DC Input





















	Specifications
Model Number	NPD1268
Description	12.1" IP65 Sunlight Readable PCT Multi-Touch Marine Display
LCD Display	
Backlight	LED Backlight
Active Display Area	245.76x184.32 mm
Brightness	1600 cd/m ²
Resolution	1024x768 (XGA)
Contrast Ratio	700:1
Pixel Pitch (mm)	0.24(H)x0.24(V)
Viewing Angle	160°(H), 160°(V)
Display Color	262k
Response Time	35ms
Inputs	VGAx1, DVIx1, Composite x3, RS232x1, USBx1
Mechanical	
IP Rating	Fascial waterproof to IP65 standards when console mounted.
Construction	Rugged Aluminum Alloy Chassis
Mounting	Panel (Flush) mount, VESA mount
Dimension (WxHxD)	316mmx 272.3mmx 56mm
Net Weight	2.5kg
Power	
Voltage	DC Input 9~36V
Power Consumption	14W
Environmental	
Operating Temperature	-20°C~60°C (-4°F~140°F)
Storage Temperature	-20°C~70°C (-4°F~158°F)
Optional	☐ Glasses ☐ Resistive Touch ☐ PCT Touch
Certification	CE/FCC
Marine Type Approval	IEC 60945 BV Marine and IACS-E10 Approval Pending













15" Multi-Touch Marine Display

Features:

- 1600 nits Sunlight Readable LCD
- LED Backlight
- Wide Operating Temperature
- Advanced Optical Bonding (AOT)
- Projected Capacitive Multi-Touch Support
- Front IP65 Design
- AR Glass Support
- Isolation Power 9-36V DC Input

















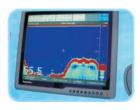




Specifications		
Model Number	NPD1568	
Description	15" IP65 Sunlight Readable PCT Multi-Touch Marine Display	
LCD Display		
Backlight	LED Backlight	
Active Display Area	304.13x228.1mm	
Brightness	1600 cd/m ²	
Resolution	1024x768 (XGA)	
Contrast Ratio	700:1	
Pixel Pitch (mm)	0.297(H)x0.297(V)	
Viewing Angle	160°(H), 160°(V)	
Display Color	16.7M	
Response Time	Tr 8ms / Tf 17ms	
Inputs	VGAx1, DVIx1, Composite x3, RS232x1, USBx1	
Mechanical		
IP Rating	Fascial waterproof to IP65 standards when console mounted.	
Construction	Rugged Aluminum Alloy Chassis	
Mounting	Panel (Flush) mount, VESA mount	
Dimension (WxHxD)	389.4x331x57.1	
Net Weight	4.3kg	
Power		
Voltage	DC Input 9~36V	
Power Consumption	23W	
Environmental		
Operating Temperature	-20°C~60°C (-4°F~140°F)	
Storage Temperature	-20°C~70°C (-4°F~158°F)	
Optional	☐ Glasses ☐ Resistive Touch ☐ PCT Touch	
Certification	CE/FCC	
Marine Type Approval	IEC 60945 BV Marine and IACS-E10 Approval Pending	













Multi-Touch Marine Display

- Features:
 1600 nits Sunlight Readable LCD
- LED Backlight
- Wide Operating Temperature
- Advanced Optical Bonding (AOT)
- Projected Capacitive Multi-Touch Support
- Front IP65 Design
- AR Glass Support
- Isolation Power 9-36V DC Input





















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ifications		

	Specifications
Model Number	NPD1768
Description	17" IP65 Sunlight Readable PCT Multi-Touch Marine Display
LCD Display	
Backlight	LED Backlight
Active Display Area	337.9x270.3 mm
Brightness	1600 cd/m ²
Resolution	1280x1024 (SXGA)
Contrast Ratio	1000:1
Pixel Pitch (mm)	0.264(H)x0.264(V)
Viewing Angle	160°(H), 160°(V)
Display Color	16.7M
Response Time	Tr 3.6ms / Tf 1.4ms
Inputs	VGAx2, DVIx2, Composite x3, RS232x1, USBx1
Picture in Picture	3 Stages (child, split and wide screen)
Mechanical	
IP Rating	Fascial waterproof to IP65 standards when console mounted.
Construction	Rugged Aluminum Alloy Chassis
Mounting	Panel (Flush) mount, VESA mount
Dimension (WxHxD)	413.4mm x 391.9mm x 58.2mm
Net Weight	4.8kg
Power	
Voltage	DC Input 9~36V
Power Consumption	38W
Environmental	
Operating Temperature	-10°C~50°C (-14°F~122°F)
Storage Temperature	-20°C~70°C (-4°F~158°F)
Optional	☐ Glasses ☐ Resistive Touch ☐ PCT Touch
Certification	CE/FCC
Marine Type Approval	IEC 60945 BV Marine and IACS-E10 Approval Pending













19" Multi-Touch Marine Displays

Features:

- 1600 nits Sunlight Readable LCD
- LED Backlight
- Wide Operating Temperature
- Advanced Optical Bonding (AOT)
- Projected Capacitive Multi-Touch Support
- Front IP65 Design
- AR Glass Support
- Isolation Power 9-36V DC Input





















	Specifications
Model Number	NPD1968
Description	19" IP65 Sunlight Readable PCT Multi-Touch Marine Display
LCD Display	
Backlight	LED Backlight
Active Display Area	376.3x301.1 mm
Brightness	1600 cd/m ²
Resolution	1280x1024 (SXGA)
Contrast Ratio	1000:1
Pixel Pitch (mm)	0.294(H)x0.294(V)
Viewing Angle	170°(H), 160°(V)
Display Color	16.7M
Response Time	Tr 3.6ms / Tf 1.4ms
Inputs	VGAx2, DVIx2, Composite x3, RS232x1, USBx1
Picture in Picture	3 Stages (child, split and wide screen)
Mechanical	
IP Rating	Fascial waterproof to IP65 standards when console mounted.
Construction	Rugged Aluminum Alloy Chassis
Mounting	Panel (Flush) mount, VESA mount
Dimension (WxHxD)	463mmx 411.1mmx 56.9mm
Net Weight	5.5kg
Power	
Voltage	DC Input 9~36V
Power Consumption	42W
Environmental	
Operating Temperature	-10°C~50°C (-14°F~122°F)
Storage Temperature	-20°C~70°C (-4°F~158°F)
Optional	☐ Glasses ☐ Resistive Touch ☐ PCT Touch
Certification	CE/FCC
Marine Type Approval	IEC 60945 BV Marine and IACS-E10 Approval Pending













Multi-Touch Marine Display

- Features:
 1600 nits Sunlight Readable LCD
- LED Backlight

- Wide Operating Temperature
 Advanced Optical Bonding (AOT)
 Projected Capacitive Multi-Touch Support
 Front IP65 Design
- Isolation Power 9-36V DC Input
- Picture In Picture Function





















	Specifications
Model Number	NPD2118
Description	21.5" IP65 Sunlight Readable PCT Multi-Touch Marine Display
LCD Display	
Backlight	LED Backlight
Active Display Area	476.64x268.11 mm
Brightness	1600 cd/m ²
Resolution	1920x1080(Full HD)
Contrast Ratio	1100:1
Pixel Pitch (mm)	0.248(H) x 0.248(V)
Viewing Angle	170°(H), 160°(V)
Display Color	16.7M
Response Time	5 ms
Inputs	VGAx2, DVIx2, Composite x3, RS232x1
Picture in Picture	3 Stages (child, split and wide screen)
Mechanical	
IP Rating	Fascial waterproof to IP65 standards when console mounted.
Construction	Rugged Aluminum Alloy Chassis
Mounting	Panel (Flush) mount, VESA mount
Dimension (WxHxD)	547.6mm x 383.2mm x 56.5mm
Net Weight	5.1kg
Power	
Voltage	DC Input Voltage: DC 9~36V
Power Consumption	47.5W
Environmental	
Operating Temperature	-10°C~50°C (-14°F~122°F)
Storage Temperature	-20°C~70°C (-4°F~158°F)
Optional	☐ Glasses ☐ Resistive Touch ☐ PCT Touch
Certification	CE/FCC
Marine Type Approval	IEC 60945 BV Marine and IACS-E10 Approval Pending













24" Multi-Touch Marine Display

Features:

- 1000 nits Sunlight Readable LCD
- LED Backlight
- Wide Operating Temperature
- Advanced Optical Bonding (AOT)
- Projected Capacitive Multi-Touch Support
- Front IP65 Design
- Isolation Power 9-36V DC Input
- Picture In Picture Function





















	Specifications
Model Number	NPD2425
Description	24" IP65 Sunlight Readable PCT Multi-Touch Marine Display
LCD Display	
Backlight	LED Backlight
Active Display Area	531.36x298.89 mm
Brightness	1000 cd/m ²
Resolution	1920x1080(Full HD)
Contrast Ratio	3000:1
Pixel Pitch (mm)	0.276(H) x 0.276(V)
Viewing Angle	178°(H), 178°(V)
Display Color	16.7M
Response Time	25 ms
Inputs	VGAx2, DVIx2, Composite x3, RS232x1
Picture in Picture	3 Stages (child, split and wide screen)
Mechanical	
IP Rating	Fascial waterproof to IP65 standards when console mounted.
Construction	Rugged Aluminum Alloy Chassis
Mounting	Panel (Flush) mount, VESA mount
Dimension (WxHxD)	601.7mm x 423.3 mm x 57.7mm
Net Weight	7.8kg
Power	
Voltage	DC Input Voltage: DC 9~36V
Power Consumption	50W
Environmental	
Operating Temperature	-10°C~50°C (-14°F~122°F)
Storage Temperature	-20°C~70°C (-4°F~158°F)
Optional	☐ Glasses ☐ Resistive Touch ☐ PCT Touch
Certification	CE/FCC
Marine Type Approval	IEC 60945 BV Marine and IACS-E10 Approval Pending









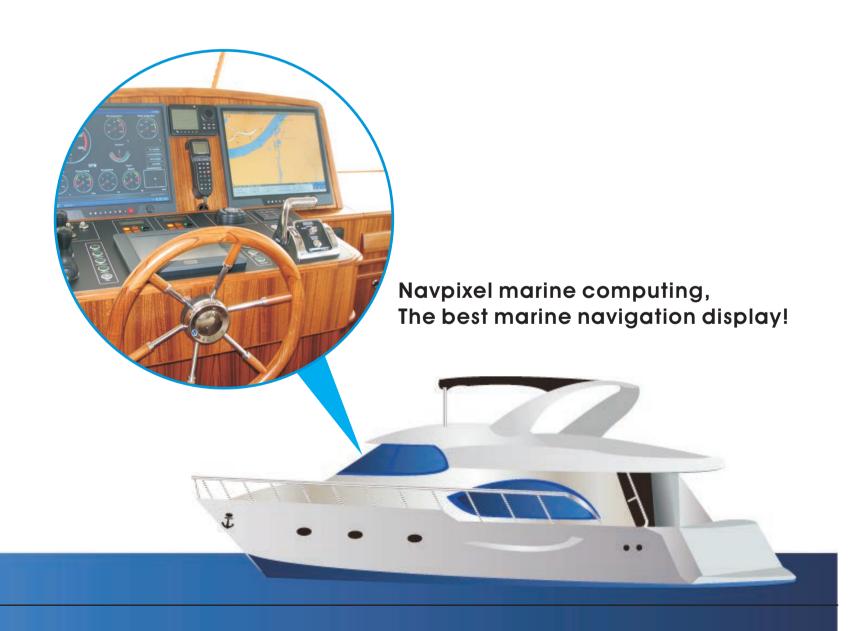




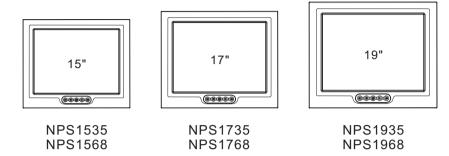
Multi-Touch Marine Display Ordering Information

NPD Series

Part Number	Description
NPD1268-ETAW-G01	12",1600nits,XGA,PCT-usb.(Transparency:90%),LID12B.AD2662GDV3R,OF,VR,WP.AOT,V1
NPD1568-ETAW-G01	15",1600nits,XGA,PCT-usb.(Transparency:90%),LID15B.AD2662,OF,VR,WP,AOT,V01
NPD1768-ETAW-J01	17",1600nits,SXGA,PCT-usb(Transparency:90%),LID17B,AD5827,O/F,VR,WP,AOT,V01
NPD1968-ETAW-H01	19",1600nits,SXGA,PCT-2-usb(Transparency:90%),LID19B,AD8668G2D2V3R,O/F,WP,AOT,V01
NPD2118-ETAW-J01	21.5",1600nits,FHD,PCT-usb(Transparency:90%),LID21B,AD5827,OF,VR,AOT,V01
NPD2425-ETAW-H21	24",1000nits,FHD,PCT-usb.(Transparency:90%),LID24B.AD8668G2D2V3R,O/F,WP.VR,AOT,V2



Marine Panel PC



NAVPIXEL™ Marine Panel PC

IP65 Sunlight Readable Marine Grade Panel PC

NPS is a new series of NAVPIXEL™ Intel® Celeron M / Core 2 Duo/ Core i5 based design panel PC. This extremely high performance with low power consumption computing solution also supports SATA interface that provides higher data processing rate and lower CPU usage. Because of the special aluminum alloy casing design, NPS series can resist corrosion from most acids and alkaline working environments. In addition, the easy cleaning attribute makes it the first choice for strict hygiene workplaces such as hospital, marine industry, abattoirs and other food processing plants.

Main Features

- 1000/1600nits Sunlight Readable LCD
- IP65 Front Waterproof Display
- Resistive Touch / PCT Multi-Touch Support
- Advanced Optical Bonding (AOT) optional
- Resistive Touch/ AR Glass Support
- Long Life, Low Power Consumption LED Backlight
- Intel® Celeron M/ Core 2 Duo / Core i5 Based Design
- AC or DC Input
- Slim Bezel Design
- Anti-Shock and Anti-Vibration Resistance

Applications

- Marine
- Food Processing Factory
- Chemical
- Pharmaceutical
- POS



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15" Marine Panel PC

Features:

- 1000/1600 nits Sunlight Readable Panel PC
 Processor: Intel[®] Celeron M / Core 2 Duo/ Core i5
 Memory: SODIMM DDRII 667 up to 4GB DDR III SODIMM up to 16GB
- Rich I/O Interface
- IP65 Front Waterproof
- AC 100~200V Input or DC 9-36V





















Description 15" IP65 Sunlight Readable Marine Panel PC		Specifications		
LED Backlight	Model Number	NPS1535	NPS1568	
Backlight LED Backlight LED Backlight Active Display Area 304.128(H)x228.096(V) 304.13(H)x228.1(V) Brightness 1000 nits 1600 nits Resolution 1024x768 (XGA) 1024x768 (XGA) Contrast Ratio 700:1 (Typ) 700:1 (Typ) Touch Screen 5-Wire, Analog Resistive / AR Glass PCT Multi-Touch Optical AOT (Optional) System Processor Intel® Celeron M / Core 2 Duo Intel® Core i5 Chip Set Intel® 456M + I CH7M Intel® H81 Memory DDR II DIMM 1GB up to 4GB DDR III SODIMM up to 16G Ethernet Intel® 82573L 10/100/1000Base-TX RJ45x2 Storage Storage SATA 2.5" HDD (Optional) SSD 64G I/O Port Audio Phone Jack (Line-in, Line-out, MIC-in) x 1 RJ45x2, USB x4, COMx2 (RS232 x1, RS232 /422 /485 x1) BIOS Award AMI Watchdog Timer Generates a time-out system reset H/W Status Monitor Supports power supply voltages, fan speed and temperature monitoring Expansion Interface Mini PCI (internal) Power	Description	15" IP65 Sunlight Readable Marine Pa	nel PC	
Active Display Area 304.128(H)x228.096(V) 304.13(H)x228.1(V) Brightness 1000 nits 1600 nits Resolution 1024x788 (XGA) 1024x788 (XGA) Contrast Ratio 700:1 (Typ) 700:1 (Typ) Touch Screen 5-Wire, Analog Resistive / AR Glass PCT Multi-Touch Optical AOT (Optional) System Processor Intel®Celeron M / Core 2 Duo Intel® Core i5 Chip Set Intel®945GM + ICH7M Intel® H81 Memory DDR II DIMM 1GB up to 4GB DDR III SODIMM up to 16G Ethernet Intel® 82573L 10/100/1000Base-TX RJ45x2 Storage SATA 2.5" HDD (Optional) SSD 64G I/O Port Audio Phone Jack (Line-in, Line-out, MIC-in) x1 RJ45x2, USB x4, COMx2 (RS232 x1, RS232 /422 /485 x1) DVI-I x1, VGA-out x 1, KB/MS PS2 x 1, Power AC-in x1 BIOS Award AMI Wake on LAN Yes Watchdog Timer Generates a time-out system reset H/W Status Monitor Supports power supply voltages, fan spe-d and temperature monitoring Expansion Interface Mini PCI (internal) Power Voltage AC Input: AC 100 ~ 240V; DC Input (Optional) Mechanical IP Rating Fascial waterproof to IP65 standards when console mounted Construction Aluminum Alloy Chassis Mounting Panel (Flush) Mount, VESA75/VESA100, Stand Mount Dimension (mm) 386.5(W) x 320.2(H) x 91.6(D) TBD Net Weight 5.4kg TBD Environmental Operating Humidity 5~95% @ 40°C, non-condensing	LCD Display			
Brightness 1000 nits 1600 nits Resolution 1024x768 (XGA) 1024x768 (XGA) Contrast Ratio 700:1 (Typ) 700:1 (Typ) Touch Screen 5-Wire, Analog Resistive / AR Glass PCT Multi-Touch Optical AOT (Optional) PCT Multi-Touch System Processor Intel® Celeron M / Core 2 Duo Intel® Core i5 Chip Set Intel® 45GM + ICH7M Intel® 1800IMM up to 16G Ethernet Intel® 82573L 10/100/1000Base-TX RJ45x Storage SATA 2.5" HDD (Optional) SSD 64G I/O Port Audio Phone Jack (Line-in, Line-out, MIC-in) x 1 RJ45 x2,USB x4, COMx2 (RS232 x1, RS232 /422 /485 x1) DVI-I x1, VGA-out x 1,KB/MS PS2 x 1,Power AC-in x1 BIOS Award AMI Wake on LAN Yes Watchdog Timer Generates a time-out system reset H/W Status Monitor Supports power supply voltages, fan speed and temperature monitoring Expansion Interface Mini PCI (internal) Power Voltage AC Input: AC 100 ~ 240V; DC Input (Optional) Mechanical IPRating	Backlight	LED Backlight	LED Backlight	
Resolution 1024x768 (XGA) 1024x768 (XGA) Contrast Ratio 700:1 (Typ) 700:1 (Typ) Touch Screen 5-Wire, Analog Resistive / AR Glass PCT Multi-Touch Optical AOT (Optional) PCT Multi-Touch System Frocessor Intel® Celeron M / Core 2 Duo Intel® Core i5 Chip Set Intel® 945GM + ICH7M Intel® H81 Memory DDR II DIMM 1GB up to 4GB DDR III SODIMM up to 16G Ethernet Intel® 82573L 10/100/1000Base-TX RJ45x2 Storage SATA 2.5" HDD (Optional) SSD 64G I/O Port Audio Phone Jack (Line-in, Line-out, MIC-in) x 1 RJ45x2,USB x4, COMx2 (RS232 x1, RS232 /422 /485 x1) BIOS Award AMI Wake on LAN Yes Watchdog Timer Generates a time-out system reset H/W Status Monitor Supports power supply voltages, fan speed and temperature monitoring Expansion Interface Mini PCI (internal) Power Voltage AC Input: AC 100 ~ 240V; DC Input (Optional) Mechanical IP Rating Fascial waterproof to	Active Display Area	304.128(H)x228.096(V)	304.13(H)x228.1(V)	
Contrast Ratio 700:1 (Typ) 700:1 (Typ) Touch Screen 5-Wire, Analog Resistive / AR Glass PCT Multi-Touch Optical AOT (Optional) PCT Multi-Touch System Processor Intel® Celeron M / Core 2 Duo Intel® Core i5 Chip Set Intel® 945GM + ICH7M Intel® H81 Memory DDR II DIMM 1GB up to 4GB DDR III SODIMM up to 16G Ethernet Intel® 82573L 10/100/1000Base-TX RJ45x2 Storage SATA 2.5" HDD (Optional) SSD 64G I/O Port Audio Phone Jack (Line-in, Line-out, MIC-in) x 1 R RJ45 x2,USB x4, COMx2 (RS232 x1, RS232 /422 /485 x1) DVI-I x1, VGA-out x 1,KB/MS PS2 x 1,Power AC-in x1 BIOS Award AMI Wake on LAN Yes Watchdog Timer Generates a time-out system reset H/W Status Monitor Supports power supply voltages, fan speed and temperature monitoring Expansion Interface Mini PCI (internal) Power Voltage AC Input: AC 100 ~ 240V; DC Input (Optional) Mechanical IPR Rating Fascial waterproof to IP65 standards when console mounted <t< td=""><td>Brightness</td><td>1000 nits</td><td>1600 nits</td></t<>	Brightness	1000 nits	1600 nits	
Touch Screen 5-Wire, Analog Resistive / AR Glass PCT Multi-Touch Optical AOT (Optional) System Processor Intel®Celeron M / Core 2 Duo Intel® Core i5 Chip Set Intel® 945GM + ICH7M Intel® 481 Memory DDR II DIMM 1GB up to 4GB DDR III SODIMM up to 16G Ethernet Intel® 82573L 10/100/1000Base-TX RJ45x2 Storage SATA 2.5° HDD (Optional) SSD 64G I/O Port Audio Phone Jack (Line-in, Line-out, MIC-in) x 1 R J45 x2,USB x4, COMx2 (RS232 x1, RS232 /422 /485 x1) DVI-I x1, VGA-out x 1,KB/MS PS2 x 1,Power AC-in x1 BIOS Award AMI Watchdog Timer Generates a time-out system reset H/W Status Monitor Supports power supply voltages, fan speed and temperature monitoring Expansion Interface Mini PCI (internal) Power Voltage AC Input: AC 100 ~ 240V; DC Input (Optional) Mechanical IP Rating Fascial waterproof to IP65 standards when console moun	Resolution	1024x768 (XGA)	1024x768 (XGA)	
Optical AOT (Optional) System Processor Intel®Celeron M / Core 2 Duo Intel® Core i5 Chip Set Intel®945GM + ICH7M Intel® H81 Memory DDR II DIMM 1GB up to 4GB DDR III SODIMM up to 16G Ethernet Intel® 82573L 10/100/1000Base-TX RJ45x2 Storage SATA 2.5" HDD (Optional) SSD 64G I/O Port Audio Phone Jack (Line-in, Line-out, MIC-in) x 1 RJ45 x2,USB x4, COMx2 (RS232 x1, RS232 /422 /485 x1) I/O Port Audio Phone Jack (Line-in, Line-out, MIC-in) x 1 AUDIO (Properties) BIOS Award AMI Wake on LAN Yes AMI Watchdog Timer Generates a time-out system reset AUDIO (Internal) AUDIO (Internal) Power Voltage AC Input: AC 100 ~ 240V; DC Input (Optional) AUDIO (Internal) Mechanical Properties AUDIO (Internal)	Contrast Ratio	700:1 (Typ)	700:1 (Typ)	
System Processor Intel®Celeron M / Core 2 Duo Intel® Core 15 Chip Set Intel®945GM + ICH7M Intel® H81 Memory DDR II DIMM 1GB up to 4GB DDR III SODIMM up to 16G Ethernet Intel® 82573L 10/100/1000Base-TX RJ45x2 Storage SATA 2.5" HDD (Optional) SSD 64G I/O Port Audio Phone Jack (Line-in, Line-out, MIC-in) x 1 R 1	Touch Screen	5-Wire, Analog Resistive / AR Glass	PCT Multi-Touch	
Processor Intel®Celeron M / Core 2 Duo Intel® Core i5 Chip Set Intel® 945GM + ICH7M Intel® H81 Memory DDR II DIMM 1GB up to 4GB DDR III SODIMM up to 16G Ethernet Intel® 82573L 10/100/1000Base-TX RJ45x2 Storage SATA 2.5" HDD (Optional) SSD 64G I/O Port Audio Phone Jack (Line-in, Line-out, MIC-in) x 1 RJ45x 2, USB x4, COMx2 (RS232 x1, RS232 /422 /485 x1) BIOS Award AMI Wake on LAN Yes Watchdog Timer Generates a time-out system reset H/W Status Monitor Supports power supply voltages, fan speed and temperature monitoring Expansion Interface Mini PCI (internal) Power Voltage AC Input: AC 100 ~ 240V; DC Input (Optional) Mechanical IP Rating Fascial waterproof to IP65 standards whore console mounted Construction Aluminum Alloy Chassis Mounting Panel (Flush) Mount, VESA75/VESA10, Stand Mount Dimension (mm) 386.5(W) x 320.2(H) x 91.6(D) TBD Net Weight 5.4kg TBD Environmental Operating Temperature <	Optical	AOT (Optional)		
Chip Set Intel®945GM + ICH7M Intel® H81 Memory DDR II DIMM 1GB up to 4GB DDR III SODIMM up to 16G Ethernet Intel® 82573L 10/100/1000Base-TX RJ45x2 Storage SATA 2.5" HDD (Optional) SSD 64G I/O Port Audio Phone Jack (Line-in, Line-out, MIC-in) x 1 RJ45 x2,USB x4, COMx2 (RS232 x1, RS232 /422 /485 x1) BIOS Award AMI Wake on LAN Yes Watchdog Timer Generates a time-out system reset H/W Status Monitor Supports power supply voltages, fan speed and temperature monitoring Expansion Interface Mini PCI (internal) Power Voltage AC Input: AC 100 ~ 240V; DC Input (Optional) Mechanical IP Rating Fascial waterproof to IP65 standards when console mounted Construction Aluminum Alloy Chassis Mounting Panel (Flush) Mount, VESA75/VESA100, Stand Mount Dimension (mm) 386.5(W) x 320.2(H) x 91.6(D) TBD Net Weight 5.4kg TBD Environmental Operating Temperature -10°C~40°C (14°F~104°F) Storage Temperature -20°C ~	System			
Memory DDR II DIMM 1GB up to 4GB DDR III SODIMM up to 16G Ethernet Intel® 82573L 10/100/1000Base-TX RJ45x2 Storage SATA 2.5" HDD (Optional) SSD 64G I/O Port Audio Phone Jack (Line-in, Line-out, MIC-in) x 1 RJ45 x2,USB x4, COMx2 (RS232 x1, RS232 /422 /485 x1) DVI-I x1, VGA-out x 1,KB/MS PS2 x 1,Power AC-in x1 AMI BIOS Award AMI Wake on LAN Yes Watchdog Timer Generates a time-out system reset H/W Status Monitor Supports power supply voltages, fan speed and temperature monitoring Expansion Interface Mini PCI (internal) Power Voltage AC Input: AC 100 ~ 240V; DC Input (Optional) Mechanical IP Rating Fascial waterproof to IP65 standards when console mounted Construction Aluminum Alloy Chassis Mounting Panel (Flush) Mount, VESA75/VESA100, Stand Mount Dimension (mm) 386.5(W) x 320.2(H) x 91.6(D) TBD Net Weight 5.4kg TBD Environmental Operating Temperature -10°C~40°C (14°F~104°F) Storage Temperature -20°C ~ 80°C (-4°F ~ 158°F)<	Processor	Intel®Celeron M / Core 2 Duo	Intel® Core i5	
Ethernet Intel® 82573L 10/100/1000Base-TX RJ45x2 Storage SATA 2.5" HDD (Optional) SSD 64G I/O Port Audio Phone Jack (Line-in, Line-out, MIC-in) x 1 RJ45 x2,USB x4, COMx2 (RS232 x1, RS232 /422 /485 x1) DVI-I x1, VGA-out x 1,KB/MS PS2 x 1,Power AC-in x1 BIOS Award AMI Wake on LAN Yes Watchdog Timer Generates a time-out system reset H/W Status Monitor Supports power supply voltages, fan speed and temperature monitoring Expansion Interface Mini PCI (internal) Power Voltage AC Input: AC 100 ~ 240V; DC Input (Optional) Mechanical IP Rating Fascial waterproof to IP65 standards when console mounted Construction Aluminum Alloy Chassis Mounting Panel (Flush) Mount, VESA75/VESA100, Stand Mount Dimension (mm) 386.5(W) x 320.2(H) x 91.6(D) TBD Net Weight 5.4kg TBD Environmental -0°C ~40°C (14°F~104°F) Storage Temperature -10°C~40°C (14°F~104°F) Storage Temperature -20°C ~ 80°C (-4°F ~158°F) Operating Humidity 5°95% @ 40°C, non-co	Chip Set	Intel®945GM + ICH7M	Intel® H81	
Storage SATA 2.5" HDD (Optional) SSD 64G I/O Port Audio Phone Jack (Line-in, Line-out, MIC-in) x 1 RJ45 x2,USB x4, COMx2 (RS232 x1, RS232 /422 /485 x1) DVI-I x1, VGA-out x 1,KB/MS PS2 x 1,Power AC-in x1 BIOS Award AMI Wake on LAN Yes Watchdog Timer Generates a time-out system reset H/W Status Monitor Supports power supply voltages, fan speed and temperature monitoring Expansion Interface Mini PCI (internal) Power Voltage AC Input: AC 100 ~ 240V; DC Input (Optional) Mechanical IP Rating Fascial waterproof to IP65 standards whore console mounted Construction Aluminum Alloy Chassis Mounting Panel (Flush) Mount, VESA75/VESA100, Stand Mount Dimension (mm) 386.5(W) x 320.2(H) x 91.6(D) TBD Net Weight 5.4kg TBD Environmental Operating Temperature -10°C~40°C (14°F~104°F) Storage Temperature -20°C ~ 80°C (-4°F~158°F) Operating Humidity 5~95% @ 40°C, non-condensing	Memory	DDR II DIMM 1GB up to 4GB	DDR III SODIMM up to 16G	
Audio Phone Jack (Line-in, Line-out, MIC-in) x 1 RJ45 x2,USB x4, COMx2 (RS232 x1, RS232 /422 /485 x1) DVI-I x1, VGA-out x 1,KB/MS PS2 x 1,Power AC-in x1 BIOS	Ethernet	Intel® 82573L 10/100/1000Base-TX R	J45x2	
RJ45 x2,USB x4, COMx2 (RS232 x1, RS232 /422 /485 x1) DVI-I x1, VGA-out x1,KB/MS PS2 x1,Power AC-in x1 BIOS Award AMI Wake on LAN Yes Watchdog Timer Generates a time-out system reset H/W Status Monitor Supports power supply voltages, fan speed and temperature monitoring Expansion Interface Mini PCI (internal) Power Voltage AC Input: AC 100 ~ 240V; DC Input (Optional) Mechanical IP Rating Fascial waterproof to IP65 standards when console mounted Construction Aluminum Alloy Chassis Mounting Panel (Flush) Mount , VESA75/VESA100, Stand Mount Dimension (mm) 386.5(W) x 320.2(H) x 91.6(D) TBD Net Weight 5.4kg TBD Environmental Operating Temperature -10°C~40°C (14°F~104°F) Storage Temperature -20°C ~ 80°C (-4°F ~ 158°F) Operating Humidity 5~95% @ 40°C, non-condensing	Storage	SATA 2.5" HDD (Optional)	SSD 64G	
BIOS Award AMI Wake on LAN Yes Watchdog Timer Generates a time-out system reset H/W Status Monitor Supports power supply voltages, fan speed and temperature monitoring Expansion Interface Mini PCI (internal) Power Voltage AC Input: AC 100 ~ 240V; DC Input (Optional) Mechanical IP Rating Fascial waterproof to IP65 standards when console mounted Construction Aluminum Alloy Chassis Mounting Panel (Flush) Mount, VESA75/VESA100, Stand Mount Dimension (mm) 386.5(W) x 320.2(H) x 91.6(D) TBD Net Weight 5.4kg TBD Environmental Operating Temperature -10°C~40°C (14°F~104°F) Storage Temperature -20°C ~ 80°C (-4°F ~ 158°F) Operating Humidity 5~95% @ 40°C, non-condensing	I/O Port	Audio Phone Jack (Line-in, Line-out, N	,	
BIOS Award AMI Wake on LAN Yes Watchdog Timer Generates a time-out system reset H/W Status Monitor Supports power supply voltages, fan speed and itemperature monitoring Expansion Interface Mini PCI (internal) Power Voltage AC Input: AC 100 ~ 240V; DC Input (Optional) Mechanical IP Rating Fascial waterproof to IP65 standards when console mounted Construction Aluminum Alloy Chassis Mounting Panel (Flush) Mount, VESA75/VESA100, Stand Mount Dimension (mm) 386.5(W) x 320.2(H) x 91.6(D) TBD Net Weight 5.4kg TBD Environmental Operating Temperature -10°C~40°C (14°F~104°F) Storage Temperature -20°C ~ 80°C (-4°F~158°F) Operating Humidity 5~95% @ 40°C, non-condensing		RJ45 x2,USB x4, COMx2 (RS232 x1, F	RS232 /422 /485 x1)	
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Watchdog Timer Generates a time-out system reset H/W Status Monitor Supports power supply voltages, fan speed and temperature monitoring Expansion Interface Mini PCI (internal) Power Voltage AC Input: AC 100 ~ 240V; DC Input (Optional) Mechanical IP Rating Fascial waterproof to IP65 standards when console mounted Construction Aluminum Alloy Chassis Mounting Panel (Flush) Mount, VESA75/VESA100, Stand Mount Dimension (mm) 386.5(W) x 320.2(H) x 91.6(D) TBD Net Weight 5.4kg TBD Environmental Operating Temperature -10°C~40°C (14°F~104°F) Storage Temperature -20°C ~ 80°C (-4°F ~158°F) Operating Humidity 5~95% @ 40°C, non-condensing	BIOS	Award	AMI	
H/W Status MonitorSupports power supply voltages, fan speed and temperature monitoringExpansion InterfaceMini PCI (internal)PowerVoltageAC Input: AC 100 ~ 240V; DC Input (Optional)MechanicalIP RatingFascial waterproof to IP65 standards when console mountedConstructionAluminum Alloy ChassisMountingPanel (Flush) Mount , VESA75/VESA100, Stand MountDimension (mm)386.5(W) x 320.2(H) x 91.6(D)TBDNet Weight5.4kgTBDEnvironmentalTBDOperating Temperature-10°C~40°C (14°F~104°F)Storage Temperature-20°C ~ 80°C (-4°F ~158°F)Operating Humidity5~95% @ 40°C, non-condensing	Wake on LAN	Yes		
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PowerVoltageAC Input: AC 100 ~ 240V; DC Input (Optional)MechanicalIP RatingFascial waterproof to IP65 standards when console mountedConstructionAluminum Alloy ChassisMountingPanel (Flush) Mount, VESA75/VESA100, Stand MountDimension (mm)386.5(W) x 320.2(H) x 91.6(D)TBDNet Weight5.4kgTBDEnvironmentalOperating Temperature-10°C~40°C (14°F~104°F)Storage Temperature-20°C ~ 80°C (-4°F ~158°F)Operating Humidity5~95% @ 40°C, non-condensing	H/W Status Monitor	Supports power supply voltages, fan s	speed and temperature monitoring	
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MechanicalIP RatingFascial waterproof to IP65 standards when console mountedConstructionAluminum Alloy ChassisMountingPanel (Flush) Mount , VESA75/VESA100 , Stand MountDimension (mm)386.5(W) x 320.2(H) x 91.6(D)TBDNet Weight5.4kgTBDEnvironmentalTBDOperating Temperature-10°C~40°C (14°F~104°F)Storage Temperature-20°C ~80°C (-4°F~158°F)Operating Humidity5~95% @ 40°C, non-condensing	Power			
IP Rating Fascial waterproof to IP65 standards when console mounted Aluminum Alloy Chassis Mounting Panel (Flush) Mount, VESA75/VESA100, Stand Mount Dimension (mm) 386.5(W) x 320.2(H) x 91.6(D) TBD Net Weight 5.4kg TBD Environmental Operating Temperature -10°C~40°C (14°F~104°F) Storage Temperature -20°C ~ 80°C (-4°F~158°F) Operating Humidity 5~95% @ 40°C, non-condensing	Voltage	AC Input: AC 100 ~ 240V; DC Input (O	ptional)	
	Mechanical			
$\begin{tabular}{lllllllllllllllllllllllllllllllllll$	IP Rating	Fascial waterproof to IP65 standards v	vhen console mounted	
Dimension (mm) 386.5(W) x 320.2(H) x 91.6(D) TBD Net Weight 5.4kg TBD Environmental Operating Temperature -10°C~40°C (14°F~104°F) Storage Temperature -20°C ~ 80°C (-4°F~158°F) Operating Humidity 5~95% @ 40°C, non-condensing	Construction	Aluminum Alloy Chassis		
Net Weight 5.4kg TBD Environmental Operating Temperature -10°C~40°C (14°F~104°F) Storage Temperature -20°C ~ 80°C (-4°F~158°F) Operating Humidity 5~95% @ 40°C, non-condensing	Mounting	Panel (Flush) Mount, VESA75/VESA	100, Stand Mount	
Net Weight 5.4kg TBD Environmental Operating Temperature -10°C~40°C (14°F~104°F) Storage Temperature -20°C ~80°C (-4°F~158°F) Operating Humidity 5~95% @ 40°C, non-condensing		386.5(W) x 320.2(H) x 91.6(D)	TBD	
Environmental Operating Temperature -10°C~40°C (14°F~104°F) Storage Temperature -20°C ~ 80°C (-4°F ~158°F) Operating Humidity 5~95% @ 40°C, non-condensing		5.4kg	TBD	
Storage Temperature -20°C ~ 80°C (-4°F ~158°F) Operating Humidity 5~95% @ 40°C, non-condensing				
Storage Temperature -20°C ~ 80°C (-4°F ~158°F) Operating Humidity 5~95% @ 40°C, non-condensing		-10°C~40°C (14°F~104°F)		
		-20°C ~ 80°C (-4°F ~158°F)		
	Operating Humidity	5~95% @ 40°C, non-condensing		

 $Specifications\ are\ subject\ to\ change\ without\ notice.\ All\ brands\ or\ product\ names\ are\ trademarks\ or\ registered\ trademarks\ of\ their\ respective\ companies.$

17" Marine Panel PC

Features:

- 1000/1600 nits Sunlight Readable Panel PC
- Processor: Intel® Celeron M / Core 2 Duo/ Core i5
- Memory: SODIMM DDRII 667 up to 4GB DDR III SODIMM up to 16GB
- Rich I/O Interface
- IP65 Front Waterproof
- •AC 100~200V Input or DC 9-36V





















Specifications		
Model Number	NPS1735	NPS1768
Description	17" IP65 Sunlight Readable Marine Pa	nel PC
LCD Display		
Backlight	LED Backlight	LED Backlight
Active Display Area	337.92(H)x270.336(V)	337.9(H)x270.3(V)
Brightness	1000 nits	1600 nits
Resolution	1280x1024(SXGA)	1280x1024 (SXGA)
Contrast Ratio	1000:1 (Typ)	1000:1 (Typ)
Touch Screen	5-Wire, Analog Resistive / AR Glass	PCT Multi-Touch
Optical	AOT (Optional)	
System		
Processor	Intel®Celeron M / Core 2 Duo	Intel® Core i5
Chip Set	Intel®945GM + ICH7M	Intel® H81
Memory	DDR II DIMM 1GB up to 4GB	DDR III SODIMM up to 16G
Ethernet	Intel® 82573L 10/100/1000Base-TX RJ45x2	
Storage	SATA 2.5" HDD (Optional)	SSD 64G
I/O Port	Audio Phone Jack (Line-in, Line-out, M	IIC-in) x 1
	RJ45 x2,USB x4, COMx2 (RS232 x1, F	·
	DVI-I x1, VGA-out x 1,KB/MS Ps2 x 1,	·
BIOS	Award	AMI
Wake on LAN	Yes	
Watchdog Timer	Generates a time-out system reset	
H/W Status Monitor	Supports power supply voltages, fan s	peed and temperature monitoring
Expansion Interface	Mini PCI (internal)	
Power	· · · · · · · · · · · · · · · · · · ·	
Voltage	AC Input: AC 100 ~ 240V; DC Input (O	ptional)
Mechanical	, , , , , , , , , , , , , , , , , , , ,	,
IP Rating	Fascial waterproof to IP65 standards w	hen console mounted
Construction	Aluminum Alloy Chassis	
Mounting	Panel (Flush) Mount, VESA75/VESA1	100, Stand Mount
Dimension (mm)	409.5 (W) x 363.1(H) x 91.3(D)	TBD
Net Weight	6.3kg	TBD
Environmental		
Operating Temperature	-10°C~40°C (14°F~104°F)	
Storage Temperature	-20°C ~ 80°C (-4°F ~158°F)	
Operating Humidity	5~95% @ 40°C, non-condensing	
Certification	Designed to meet CE/FCC	
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 $Specifications\ are\ subject to\ change\ without\ notice.\ All\ brands\ or\ product\ names\ are\ trademarks\ or\ registered\ trademarks\ of\ their\ respective\ companies.$

19" Marine Panel PC

Features:

- 1000/1600 nits Sunlight Readable Panel PC
 Processor: Intel[®] Celeron M / Core 2 Duo/ Core i5
 Memory: SODIMM DDRII 667 up to 4GB DDR III SODIMM up to 16GB
- Rich I/O Interface
- IP65 Front Waterproof
- AC 100~200V Input or DC 9-36V





















	Specifications		
Model Number	NPS1935	NPS1968	
Description	19" IP65 Sunlight Readable Marine Pa	nel PC	
LCD Display			
Backlight	LED Backlight	LED Backlight	
Active Display Area	376.32(H)x301.06(V)	376.3(H)x301.1(V)	
Brightness	1000 nits	1600 nits	
Resolution	1280x1024 (SXGA)	1280x1024 (SXGA)	
Contrast Ratio	1000:1 (Typ)	1000:1 (Typ)	
Touch Screen	5-Wire, Analog Resistive / AR Glass	PCT Multi-Touch	
Optical	AOT (Optional)		
System			
Processor	Intel®Celeron M / Core 2 Duo	Intel® Core i5	
Chip Set	Intel®945GM + ICH7M	Intel® H81	
Memory	DDR II DIMM 1GB up to 4GB	DDR III SODIMM up to 16G	
Ethernet	Intel® 82573L 10/100/1000Base-TX R	J45x2	
Storage	SATA 2.5" HDD (Optional) /SSD	SSD 64G	
I/O Port	Audio Phone Jack (Line-in, Line-out, N	Audio Phone Jack (Line-in, Line-out, MIC-in) x 1	
	RJ45 x2,USB x4, COMx2 (Rs232 x1, RS232 /422 /485 x1)		
	DVI-I x1, VGA-out x 1,KB/MS PS2 x 1	Power AC-in x1, USB 3.0 Support	
BIOS	Award	AMI	
Wake on LAN	Yes		
Watchdog Timer	Generates a time-out system reset		
H/W Status Monitor	Supports power supply voltages, fan s	speed and temperature monitoring	
Expansion Interface	Mini PCI (internal)		
Power			
Voltage	AC Input: AC 100 ~ 240V; DC Input (O	ptional)	
Mechanical			
IP Rating	Fascial waterproof to IP65 standards v	Fascial waterproof to IP65 standards when console mounted	
Construction	Aluminum Alloy Chassis		
Mounting	Panel (Flush) Mount, VESA75/VESA	100, Stand Mount	
Dimension (mm)	447(W) x 390.6(H) x 91.5(D)	TBD	
Net Weight	7.2kg	TBD	
Environmental			
Operating Temperature	-10°C~40°C (14°F~104°F)		
Storage Temperature	-20°C ~ 80°C (-4°F ~158°F)		
Operating Humidity	5~95% @ 40°C, non-condensing		
Certification	Designed to meet CE/FCC		

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Marine Panel PC Ordering Information

NPS Series

Part Number	Description
NPS1535-ETAW-142-A01	15"LED B/L 1000nits, Touch.Screen(Transparency:80%),Intel.Celeron M 1.86GHz ,DDR II
	DIMM.1GB,RJ45*2,USB*4,COM*2,AC.100~240V,HDD/250GB,AOT,WP
NPS1535-ETAW-142-A02	15"LED B/L 1000nits.Touch.Screen(Transparency:80%).Intel.Celeron M 1.86GHz,DDR II.DIMM
	1GB,RJ45*2,USB*4,COM*2.DC10~30V,HDD/250GB,AOT,WP
NPS1535-ETAW-363-A01	15" LED B/L 1000Nits, Touch.Screen(Transparency:80%).Intel Core 2 Duo 2.16GHz.DDR II DIMM
	2GB,RJ45*2,USB*4.COM*2,AC 100~240V,HDD/250GB.AOT,WP
NPS1535-ETAW-363-A02	15"LED B/L 1000Nits.Touch Screen(Transparency:80%).Intel Core 2 Duo 2.16GHz,DDRII.DIMM
	2GB,RJ45*2,USB*4,COM*2.DC10~30v,HDD/250GB,AOT,WP
NPS1735-ETAW-142-A01	17"LED B/L 1000nits.Touch Screen(Transparency:80%).Intel Celeron M 1.86GHz,DDR II.DIMM
	1GB,RJ45*2,USB*4,COM*2.AC 100~240V,HDD/250GB,AOT,WP
NPS1735-ETAW-142-A02	17" LED B/L 1000nits. Touch Screen (Transparency: 80%). Intel Celeron M 1.86GHz, DDR II. DIMM
	1GB,RJ45*2,USB*4,COM*2.DC10~30V,HDD/250GB,AOT,WP
NPS1735-ETAW-363-A01	17"LED B/L 1000 Nits, Touch. Screen (Transparency: 80%). Intel Core 2 Duo 2.16GHz. DDR II DIMM
	2GB,RJ45*2,USB*4.COM*2,AC 100~240V,HDD/250GB.AOT,WP
NPS1735-ETAW-363-A02	17"LED B/L 1000 Nits, Touch. Screen (Trensparency: 80%). Intel Core 2 Duo 2.16GHz. DDR II DIMM
	2GB,RJ45*2,USB*4.COM*2,DC10~30V,HDD/250GB.AOT,WP
NPS1935-ETAW-142-A01	19" LED B/L 1000nits.Touch Screen(Transparency:80%).Intel Celeron M 1.86GHz,DDR II.DIMM
	1GB,RJ45*2,USB*4,COM*2.AC 100~240V,HDD/250GB,AOT,WP
NPS1935-ETAW-142-A02	19" LED B/L 1000nits , Touch.Screen(Transparency:80),Intel.Celeron M 1.86GHz,DDR II
	DIMM.1GB,RJ45*2,USB*4,COM*2.DC10~30V,HDD/250GB,AOT,WP
NPS1935-ETAW-363-A01	19"LED B/L 1000Nits.Touch Screen(Transparency:80%).Intel Core 2 Duo 2.16GHz,DDRII.DIMM
	2GB,RJ45*2,USB*4,COM*2.AC 100~240V,HDD/250GB,AOT,WP
NPS1935-ETAW-363-A02	19",LED B/L 1000 Nits.Touch Screen(Transparency:80%).Intel Core 2 Duo 2.16GHz.DDR II DIMM
	2GB,RJ45*2,USB*4.COM*2,DC10~30V,HDD/250GB,AOT.WP
NPS1568-ETA-A01	15",1600nits,PCT,Intel Core i5-4400E,DDR3 SODIMM/2GB,SSD/64GB,RJ45*2,USB-3*2,USB-2*4,COM*2,DVI*1,
	VGA*1,Audio Jack*2(Mic-in,Line-out),PS2*1(KB&Mouse),AOT,WP,Win7E,AC100~240V input
NPS1768-ETA-A01	17",1600nits,PCT,Intel Core i5-4400E,DDR3 SODIMM/2GB,SSD/64GB,RJ45*2,USB-3*2,USB-2*4,COM*2,DVI*1,
	VGA*1,Audio Jack*2(Mic-in,Line-out),PS2*1(KB&Mouse),AOT,WP,Win7E,AC100~240V input
NPS1968-ETA-A01	19",1600nits,PCT,Intel Core i5-4400E,DDR3 SODIMM/2GB,SSD/64GB,RJ45*2,USB-3*2,USB-2*4,COM*2,DVI*1,
	VGA*1,Audio Jack*2(Mic-in,Line-out),PS2*1(KB&Mouse),AOT,WP,Win7E,AC100~240V input

Global Headquarters

8F, No.137, Lane 235, Bau-chiao Rd., Shin-dian Dist., New Taipei City, Taiwan Tel: +886-2-8919-1858 Fax: +886-2-8919-1300 sales@litemax.com.tw

Litemax Technology, Inc.485301 Warm Springs, Bivd, #414, Fremont, CA94539, USA Tel: +1-510-5097506 usa@litemax.com

Europe Service Center

Julius-Faucher-Str.31, 28307 Bremen, Germany Tel: +49-421-565-6811 Fax: +49-421-565-6810



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