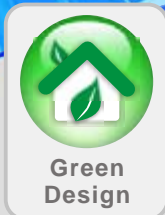
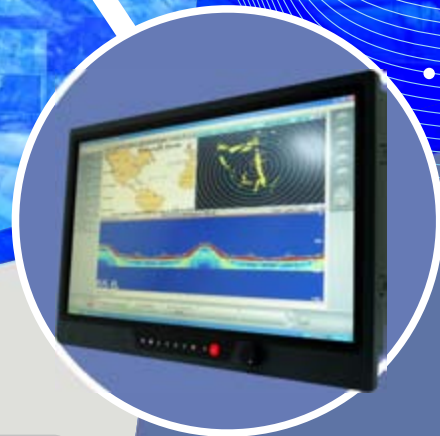


Marine

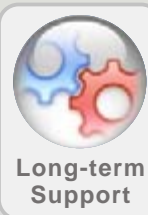
Computing Solutions



Green Design



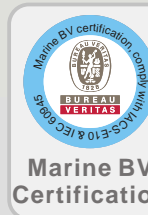
One Stop Shopping



Long-term Support

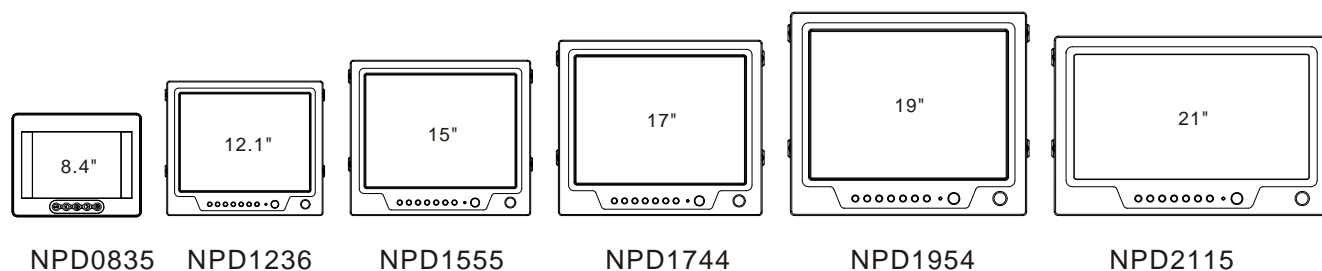


Sunlight Readable



Marine BV Certification

Marine Display



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 nits Sunlight Readable LCD
- Advanced Optical Bonding (AOT)
- Resistive Touch/ AR Glass Support
- Long Life, Low Power Consumption LED Backlight
- Night Mode Support
- Wide Dimming Potentiometer
- Rich I/O: VGaX2, DVIx2, CVBSx3 (NPD1744, NPD1954 only)
- PIP Function Support (NPD1744, NPD1954 only)
- 20 C~60 C Wide Operation Temperature
- 9~36V DC input
- Slim Bezel Design
- Anti-Shock and Anti-Vibration Resistance
- Conformal Coating

Application

Marine



8.4" Specifications

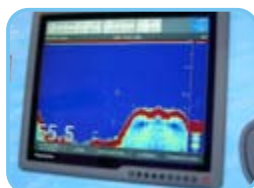
Features:

- 1000 nits Sunlight Readable LCD
- LED Backlight
- Wide Operating Temperature
- Advanced Optical Bonding (AOT)
- IR Touch Support
- IP68 Facial Waterproof
- 9-36V DC Input



IP68 Sunlight Readable Marine Display

Model Number	NPD0835
Description	8.4" IP68 Sunlight Readable Marine Display
LCD Display	
Backlight	8.4" 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	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	24W
Environmental	
Operating Temperature	-20 C~60 C (-4 F~140 F)
Storage Temperature	-30 C~80 C (-22 F~176 F)
Certification	CE/FCC
Marine Type Approval	IEC 60945 BV Marine and IACS-E10 Approval



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Your Industrial Solutions Partner!

12.1", 15" Specifications

Features:

- 1000 nits Sunlight Readable LCD
- LED Backlight
- Wide Operating Temperature
- Advanced Optical Bonding (AOT)
- Resistive Touch Support
- IP65 Facial Waterproof
- 9-36V DC Input



IP65 Sunlight Readable Marine Display

Model Number	NPD1236	NPD1555
Description	12.1" / 15" IP65 Sunlight Readable Marine Display	
LCD Display		
Backlight	12.1" LED Backlight	15" LED Backlight
Active Display Area	245.76x184.32 mm	304.128x228.096 mm
Brightness	1000 cd/m ²	1000 cd/m ²
Resolution	1024x768 (XGA)	1024x768 (XGA)
Contrast Ratio	700:1	700:1
Pixel Pitch (mm)	0.24(H)x0.24(V)	0.297(H)x0.297(V)
Viewing Angle	160 (H), 160 (V)	160 (H), 160 (V)
Display Color	262k	16.2M
Response Time	Tr 6ms/ Tf 17ms	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)	297.2mm x 256mm x 56mm	352.8mmx 303.3mmx 56mm
Net Weight	2.5kg	3.5kg
Power		
Voltage	DC Input 9~36V	DC Input 9~36V
Power Consumption	24W	40.8W
Environmental		
Operating Temperature	-20 C~60 C (-4 F~140 F)	-20 C~60 C (-4 F~140 F)
Storage Temperature	-30 C~80 C (-22 F~176 F)	-30 C~80 C (-22 F~176 F)
Certification	CE/FCC	
Marine Type Approval	IEC 60945 BV Marine and IACS-E10 Approval	



17", 19" Specifications

Features:

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



IP65 Sunlight Readable Marine Display

Model Number	NPD1744	NPD1954
Description	17" / 19" IP65 Sunlight Readable Marine Display	
LCD Display		
Backlight	17" LED Backlight	19" LED Backlight
Active Display Area	337.92x270.336 mm	376.32x301.06 mm
Brightness	1000 cd/m ²	1000 cd/m ²
Resolution	1280x1024 (SXGA)	1280x1024 (SXGA)
Contrast Ratio	800:1	1000:1
Pixel Pitch (mm)	0.264(H)x0.264(V)	0.294(H)x0.294(V)
Viewing Angle	160 (H), 160 (V)	160 (H), 170 (V)
Display Color	16.7M	16.7M
Response Time	Tr 3.5ms/ Tf 1.5ms	Tr 3.6ms/ Tf 1.4ms
Inputs	VGAx2, DVIX2, Composite x3, RS232x1, USBx1	
Picture in Picture	3 Stages (child, split and wide screen) 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	421.9mmx 375.5mmx 56mm
Net Weight	4.5kg	5.5kg
Power		
Voltage	DC Input 9~36V	DC Input 9~36V
Power Consumption	50W	55W
Environmental		
Operating Temperature	-10 C~50 C (-14 F~122 F)	-10 C~50 C (-14 F~122 F)
Storage Temperature	-20 C~70 C (-4 F~158 F)	-20 C~70 C (-4 F~158 F)
Certification	CE/FCC	
Marine Type Approval	IEC 60945 BV Marine and IACS-E10 Approval	



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21" Specifications

Features:

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

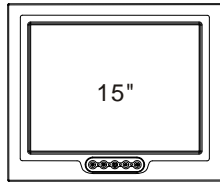


IP65 Sunlight Readable Marine Display

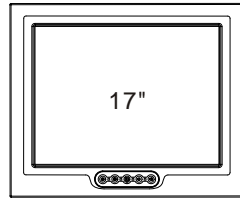
Model Number	NPD2115
Description	21.5" IP65 Sunlight Readable Marine Display
LCD Display	
Backlight	21.5" LED Backlight
Active Display Area	476.64x268.11 mm
Brightness	1000 cd/m ²
Resolution	1920x1080(Full HD)
Contrast Ratio	1000:1
Pixel Pitch (mm)	0.248(H) x 0.248 (V)
Viewing Angle	170 (H), 160 (V)
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	IP65 housing with powder coating design
Construction	Rugged Aluminum Alloy Chassis
Mounting	Panel (Flush) mount, VESA mount
Dimension (WxHxD)	525.8mm x 345.2 mm x 56mm
Net Weight	5.5kg
Power	
Voltage	DC Input Voltage: DC 9~36V
Power Consumption	65W
Environmental	
Operating Temperature	-10 C~50 C (-14 F~122 F)
Storage Temperature	-30 C~80 C (-22 F~176 F)
Certification	CE/FCC
Marine Type Approval	Designed to meet CE / FCC, BV Marine Approval Pending



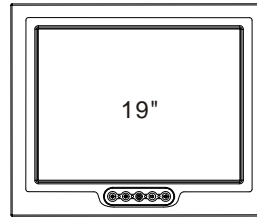
Marine Panel PC



NPS1535



NPS1735



NPS1935

NAVPIXEL Marine Panel PC

IP65 Sunlight Readable Marine Grade Panel PC

NPS is a new series of NAVPIXEL Intel Celeron M/ Core 2 Duo 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

- 1000nits Sunlight Readable LCD
- IP65 Front Waterproof Display
- Resistive 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 Based Design
- AC or DC Input
- Slim Bezel Design
- Anti-Shock and Anti-Vibration Resistance

Applications

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



15" Specifications

Features:

1000 nits Sunlight Readable Panel PC
 Processor: Intel Celeron M/ Core 2 Duo
 Memory: SODIMM DDRII667 up to 4GB
 Rich I/O Interface
 IP65 Front Waterproof
 AC 100~200V Input or DC 9-36V



IP65 Sunlight Readable Marine Panel PC

Model Number	NPS1535
Description	15" IP65 Sunlight Readable Marine Panel PC
LCD Display	
Backlight	15" LED Backlight
Active Display Area	304.128(H)x228.096(V)
Brightness	1000 nits
Resolution	1024x768 (XGA)
Contrast Ratio	700:1 (Typ)
Touch Screen	5-Wire, Analog Resistive / AR Glass
Optical	AOT (Optional)
System	
Processor	Intel Celeron M/ Core 2 Duo
Chip Set	Intel 945GM + ICH7M
Memory	DDR II DIMM 1GB up to 4GB
Ethernet	Intel 82573L 10/100/1000Base-TX RJ45x2
Storage	SATA 2.5" HDD (Optional)
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
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	386.5mm (W) x 320.2mm(H) x 90.3mm(D)
Net Weight	5.4kg
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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17" Specifications

Features:

1000 nits Sunlight Readable Panel PC
 Processor: Intel Celeron M/ Core 2 Duo
 Memory: SODIMM DDRII667 up to 4GB
 Rich I/O Interface
 IP65 Front Waterproof
 AC 100~200V Input or DC 9-36V
 Picture In Picture Function



IP65 Sunlight Readable Marine Panel PC

Model Number	NPS1735
Description	17" IP65 Sunlight Readable Marine Panel PC
LCD Display	
Backlight	17" LED Backlight
Active Display Area	337.92(H)x270.336(V)
Brightness	1000 nits
Resolution	1280x1024(SXGA)
Contrast Ratio	1000:1 (Typ)
Touch Screen	5-Wire, Analog Resistive / AR Glass
Optical	AOT (Optional)
System	
Processor	Intel Celeron M/ Core 2 Duo
Chip Set	Intel 945GM + ICH7M
Memory	DDR II DIMM 1GB up to 4GB
Ethernet	Intel 82573L 10/100/1000Base-TX RJ45x2
Storage	SATA 2.5" HDD (Optional)
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 x 1
BIOS	Award
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	409.5mm (W) x 363.1mm(H) x 93.5mm(D)
Net Weight	6.3kg
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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19" Specifications

Features:

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



IP65 Sunlight Readable Marine Panel PC

Model Number	NPS1935
Description	19" IP65 Sunlight Readable Marine Panel PC
LCD Display	
Backlight	19" LED Backlight
Active Display Area	376.32(H)x301.06(V)
Brightness	1000 nits
Resolution	1280x1024 (SXGA)
Contrast Ratio	1000:1 (Typ)
Touch Screen	5-Wire, Analog Resistive / AR Glass
Optical	AOT (Optional)
System	
Processor	Intel Celeron M/ Core 2 Duo
Chip Set	Intel 945GM + ICH7M
Memory	DDR II DIMM 1GB up to 4GB
Ethernet	Intel 82573L 10/100/1000Base-TX RJ45x2
Storage	SATA 2.5" HDD (Optional)
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
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	447mm (W) x 390.6mm(H) x 93mm(D)
Net Weight	7.2kg
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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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-ETAW-H01	

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 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-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, DC10-30V, HDD/250GB, AOT, WP
NPS1535-ETAW-363-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, AC 100-240V, 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, DC10-30V, HDD/250GB, AOT, WP
NPS1735-ETAW-142-A02	17" 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
NPS1735-ETAW-363-A01	17" LED B/L 1000Nits, 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
NPS1735-ETAW-363-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, AC 100-240V, 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, DC10-30V, HDD/250GB, AOT, WP
NPS1935-ETAW-142-A02	19" 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
NPS1935-ETAW-363-A01	19", LED B/L 1000Nits, 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
NPS1935-ETAW-363-A02	

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