

NP-NNL15RF/RW

6th Gen Intel® Core™ Celeron /i5/i7

Sunlight Readable Full IP65 Stainless Steel Panel PC



Feature

- Fanless design and compact solution
- 6th Gen Intel® Core™ Celeron /i5/i7 CPU
- Resolution 1024 x 768 dpi
- High Brightness: 2000/1600/1000/800 nit
- 5 wire resistive touch screen solution
- Fully IP65 compliant 6-sided stainless steel chassis
- 1 x USB, 2 x RS232, 1 x LAN
- VESA mounting

System	
CPU	6th Gen Intel® Core™ Celeron 3955U i5-6300U/i7-6600U
Memory	2 x 204-pin DDR3L SODIMM up to 16 GB
H/W Monitor	
Watchdog Timer	256-Level Watchdog Timer
I/O Ports	
RS232	2
USB	1
GLAN	1
Storage	
Storage	1 x SATA 2.0 2.5" HDD/SSD
Expansion	
Mini-PCle	1 x Full-size (one w/ mSATA) 1 x Full-size
Power Requirement	
Power Input Voltage	1 x Full-size (one w/ mSATA) 1 x Full-size
Touch Screen	
Touch screen	5-wire resistive

Display					
Model Number	NP-NNL15RF (12V)		NP-NNL15RW (15~36V)		
Size	15" TFT (4:3)				
Resolution	1024 x 768				
Colors	16.7 M	16.7 M	16.7 M	16.2 M	16.7 M
Luminance (cd/m2)	2000	1600	1000	1000	800
Contrast Ratio	700:1	700:1	1700:1	700:1	700:1
View Angle (H / V)	160/160		170/170	160/160	
Mechanical & Environmental					
External Heat sink	Back Side				
Operation Temp	0 ~ 45°C				
Storage Humidity	10 ~ 90%, non-condensing				
Mount	VESA mounting(100X100mm)				
Dimension (W x H x D mm) &Weight	380 x 290 x 67 (TBD)				
Optional					
Second LAN	1				
External antenna	1 or 2				
Full IP65 Power adaptor	1				

NP-NNL17RF/RW

6th Gen Intel® Core™ Celeron /i5/i7

Sunlight Readable Full IP65 Stainless Steel Panel PC



Feature

- Fanless design and compact solution
- 6th Gen Intel® Core™ Celeron /i5/i7 CPU
- Resolution 1280 x 1024 dpi
- High Brightness: 1600/1000/800 nit
- 5 wires resistive touch solution
- Fully IP65 compliant 6-sided stainless steel chassis
- 1 x USB, 2 x RS232, 1 x GLAN
- VESA mounting

System	
CPU	6th Gen Intel® Core™ Celeron 3955U i5-6300U/i7-6600U
Memory	2 x 204-pin DDR3L SODIMM up to 16 GB
H/W Monitor	
Watchdog Timer	256-Level Watchdog Timer
I/O Ports	
RS232	2
USB	1
GLAN	1
Storage	
Storage	1 x SATA 2.0 2.5" HDD/SSD
Expansion	
Mini-PCIe	1 x Full-size (one w/ mSATA)
Power Requirement	
Power Input Voltage	DC in 12V or DC in 15~36V
Touch Screen	
Touch screen	5-wire resistive

Display			
Model Number	NP-NNL17RF (12V)	NP-NNL17RW (15~36V)	
Size	17" TFT (4:3)		
Resolution	1280 x 1024		
Colors	16.7 M	16.7 M	16.7 M
Luminance (cd/m2)	1600	1000	800
Contrast Ratio	1000:1	1000:1	1000:1
View Angle (H / V)	170/170	160/160	170/170

Mechanical & Environmental	
External heat sink	Bake Side
Operation Temp	0 ~ 45°C
Storage Humidity	10 ~ 90%, non-condensing
Mount	VESA mounting(100X100mm)
Dimension (W x H x D mm) &Weight	425 x 361 x 68 (TBD)
Optional	
Second LAN	1
External antenna	1 or 2
Full IP65 Power Adaptor	1

NP-NNL19RF/RW

6th Gen Intel® Core™ Celeron /i5/i7

Sunlight Readable Full IP65 Stainless Steel Panel PC



Feature

- Fanless design and compact solution
- 6th Gen Intel® Core™ Celeron /i5/i7 CPU
- Resolution 1280 x 1024 dpi
- High Brightness:
- 5 wires resistive touch solution
- Fully IP65 compliant 6-sided stainless steel chassis
- 1 x USB, 2 x RS232, 1 x GLAN
- VESA mounting

System	
CPU	6th Gen Intel® Core™ Celeron 3955U i5-6300U/i7-6600U
Memory	2 x 204-pin DDR3L SODIMM up to 16 GB
H/W Monitor	
Watchdog Timer	256-Level Watchdog Timer
I/O Ports	
RS232	2
GLAN	1
USB	1
Storage	
Storage	1 x SATA 2.0 2.5" HDD/SSD
Expansion	
Mini-PCle	1 x Full-size (one w/ mSATA) 1 x Full-size
Power Requirement	
Power Input Voltage	DC in 12V or DC in 15~36V
Touch Screen	
Touch screen	5-wire resistive

Display				
Model Number	NP-NNL19RF (12V)		NP-NNL19RW (15~36V)	
Size	19" TFT (4:3)			
Resolution	1280 x 1024			
Colors	16.7 M			
Luminance (cd/m2)	1600	1000	1000	800
Contrast Ratio	1000:1	2000:1	1000:1	1000:1
View Angle (H / V)	170/160	178/178	160/170	170/160
Mechanical & Environmental				
External heat sink	Back Side			
Operation Temp	0 ~ 45°C			
Storage Humidity	10 ~ 90%, non-condensing			
Mount	VESA mounting(100X100mm)			
Dimension (W x H x D mm) &Weight	455X367X67(TBD)			
Optional				
Second LAN	1			
External antenna	1 or 2			
Full IP65 Power Adaptor	1			

NP-NND21RF/RW

6th Gen Intel® Core™ Celeron /i5/i7

Sunlight Readable Full IP65 Stainless Steel Panel PC



Feature

- Fanless design and compact solution
- 6th Gen Intel® Core™ Celeron /i5/i7 CPU
- Resolution 1920 x 1080 dpi
- High Brightness: 1600/1200
- 5 wires resistive touch solution
- 2 x USB, 2 x RS232, 2 x LAN
- VESA mounting

System	
CPU	6th Gen Intel® Core™ Celeron 3955U i5-6300U/i7-6600U
Memory	2 x 204-pin DDR3L SODIMM up to 16 GB
H/W Monitor	
Watchdog Timer	256-Level Watchdog Timer
I/O Ports	
RS232	2
USB	2
GLAN	2
Storage	
Storage	1 x SATA 2.0 2.5" HDD/SSD
Expansion	
Mini-PCIe	1 x Full-size (one w/ mSATA) 1 x Full-size
Power Requirement	
Power Input Voltage	DC in 12V or DC in 15~36V
Touch Screen	
Touch screen	5-wire resistive

Display		
Model Number	NP-NND21RF (12V)	NP-NND-21RW (15~36V)
Size	21.5" TFT (16:9)	
Resolution	1920 x 1080	
Colors	16.7 M	
Luminance (cd/m ²)	1600	
Contrast Ratio	900:1	
View Angle (H / V)	170/160	
Mechanical & Environmental		
External Heat sink	1	
Operation Temp	0 ~ 45°C	
Storage Humidity	10 ~ 90%, non-condensing	
Mount	VESA mounting(100X100mm)	
Dimension (W x H x D mm) &Weight	561x360x67.5(TBD)	
Optional		
Second LAN	1	
External antenna	1 or 2	
Full IP65 Power Adaptor	1	