

# MP-EN

*Fanless Intel D-J1900 Quad Core 2.0 GHz  
Removable bezel Panel PC*



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# MP-ENX12RF

Fanless Intel D-J1900 Quad Core 2.0 GHz  
Removable bezel Panel PC



## Feature

- Fanless design and compact solution
- Intel® Bay Trail Quad Core 2.0GHz CPU
- Resolution 1280 x 1024 dpi
- 5 wires resistive touch solution
- Removable magnetic silver aluminum front bezel
- 4 x USB, 1 x VGA, 1 x LAN
- In wall mount

### System

CPU	Intel® Bay Trail D-J1900 2.0GHz Quad Core Processor
Memory	1 x 204-pin DDR3L SODIMM up to 8 GB

### H/W Monitor

Watchdog Timer	256-Level Watchdog Timer
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### I/O Ports

RS232	1
GLAN	1
USB	4
VGA	1
Line-Out /MIC In	1

### Storage

Storage	1 x SATA 2.0 2.5" HDD/SSD
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### Expansion

Mini-PCIe	1 x Full-size (one w/ mSATA)
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### Power Requirement

Power Input Voltage	DC in 12V
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### Touch Screen

Touch screen	5-wire resistive
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### Display

Model Number	MP-ENR12RF	MP-ENS12RF
Size	12.1" TFT (4:3)	
Resolution	800 x 600	1024 x 768
Colors	16.2M	16.2 M
Luminance ( cd/m2)	400	500
Contrast Ratio	600:1	700:1
View Angle ( H / V )	160/120	160/160

### Mechanical & Environmental

Operation Temp	0 ~ 45°C
Storage Humidity	10 ~ 90%, non-condensing
Mount	In wall mount
Dimension (W x H x D mm) &Weight	349.4 x 263.9 x 70 ( 6.5kg)

### Optional

Black wall Box	1
Second LAN	1 (MP-ENX12RF)

# MP-ENL 15RF

Fanless Intel D-J1900 Quad Core 2.0 GHz  
Removable bezel Panel PC



## Feature

- Fanless design and compact solution
- Intel® Bay Trail Quad Core 2.0GHz CPU
- Resolution 1024 x 768 dpi
- 5 wires resistive touch solution
- Removable magnetic silver aluminum front bezel
- 4 x USB, 1 x VGA, 1 x LAN
- In wall mount

System	
CPU	Intel® Bay Trail D-J1900 2.0GHz Quad Core Processor
Memory	1 x 204-pin DDR3L SODIMM up to 8 GB
H/W Monitor	
Watchdog Timer	256-Level Watchdog Timer
I/O Ports	
RS232	1
GLAN	1
USB	4
VGA	1
Line-Out /MIC In	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
Touch Screen	
Touch screen	5-wire resistive

Display	
Size	15" TFT (4:3)
Resolution	1024 x 768
Colors	16.2M
Luminance ( cd/m2)	700:1
Contrast Ratio	500:1
View Angle ( H / V )	160/160
Mechanical & Environmental	
Operation Temp	0 ~ 45°C
Storage Humidity	10 ~ 90%, non-condensing
Mount	In wall mount
Dimension (W x H x D mm) &Weight	400.9 x 303.7 x 71 (7.5kg )
Optional	
Black wall box	1
Second LAN	1 ( MP-ENL15RF-2)

# MP-ENX17RF

Fanless Intel D-J1900 Quad Core 2.0 GHz  
Removable bezel Panel PC



## Feature

- Fanless design and compact solution
- Intel® Bay Trail Quad Core 2.0GHz CPU
- Resolution 1280 x 1024 dpi
- 5 wires resistive touch solution
- Removable magnetic silver aluminum front bezel
- 4 x USB, 1 x VGA, 1 x LAN
- In wall mount

System	
CPU	Intel® Bay Trail D-J1900 2.0GHz Quad Core Processor
Memory	1 x 204-pin DDR3L SODIMM up to 8 GB
H/W Monitor	
Watchdog Timer	256-Level Watchdog Timer
I/O Ports	
RS232	1
GLAN	1
USB	4
VGA	1
Line-Out / MIC In	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
Touch Screen	
Touch screen	5-wire resistive

Display		
Model Number	MP-ENR17RF	MP-ENL17RF
Size	17" TFT (4:3)	17" TFT (4:3)
Resolution	1280 x 1024	1280 x 1024
Colors	16.7 M	16.7 M
Luminance ( cd/m2)	300	350
Contrast Ratio	800:1	1000:1
View Angle ( H / V )	140/125	140/170

Mechanical & Environmental	
Operation Temp	0 ~ 45°C
Storage Humidity	10 ~ 90%, non-condensing
Mount	In wall mount
Dimension (W x H x D mm) &Weight	453.5 x 352 x 71.4 ( 10.5 kg)
Optional	
Black wall box	1
Second LAN	1(MP-ENX17RF)

# MP-ENL19RF

Fanless Intel D-J1900 Quad Core 2.0 GHz  
Removable bezel Panel PC



## Feature

- Fanless design and compact solution
- Intel® Bay Trail Quad Core 2.0GHz CPU
- Resolution 1280 x 1024 dpi
- 5 wires resistive touch solution
- Removable magnetic silver aluminum front bezel
- 4 x USB, 1 x VGA, 1 x LAN
- In wall mount

System	
CPU	Intel® Bay Trail D-J1900 2.0GHz Quad Core Processor
Memory	1 x 204-pin DDR3L SODIMM up to 8 GB
H/W Monitor	
Watchdog Timer	256-Level Watchdog Timer
I/O Ports	
RS232	1
GLAN	1
USB	4
VGA	1
Line-Out /MIC In	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
Touch Screen	
Touch screen	5-wire resistive

Display	
Size	19" TFT (4:3)
Resolution	1280 x 1024
Colors	16.7 M
Luminance ( cd/m2)	250
Contrast Ratio	1000:1
View Angle ( H / V )	170/160
Mechanical & Environmental	
Operation Temp	0 ~ 45°C
Storage Humidity	10 ~ 90%, non-condensing
Mount	In wall mount
Dimension (W x H x D mm) &Weight	487 x 376.8 x 74.8 (11.5kg)
Optional	
Black wall Box	1
Second LAN	1 (MP-ENL19RF-2)

# MP-END21RF

Fanless Intel D-J1900 Quad Core 2.0 GHz  
Removable bezel Panel PC



## Feature

- Fanless design and compact solution
- Intel® Bay Trail Quad Core 2.0GHz CPU
- Resolution: 1920 x 1080 dpi
- 5 wires resistive touch solution
- Removable magnetic silver aluminum front bezel
- 4 x USB, 1 x VGA, 1 x LAN
- In wall mount

System	
CPU	Intel® Bay Trail D-J1900 2.0GHz Quad Core Processor
Memory	1 x 204-pin DDR3L SODIMM up to 8 GB
H/W Monitor	
Watchdog Timer	256-Level Watchdog Timer
I/O Ports	
RS232	1
GLAN	1
USB	4
VGA	1
Line-Out /MIC In	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
Touch Screen	
Touch screen	5-wire resistive

Display	
Size	21.5" TFT (16:9)
Resolution	1920 x 1080
Colors	16.7 M
Luminance ( cd/m2)	300
Contrast Ratio	3000:1
View Angle ( H / V )	178/178
Mechanical & Environmental	
Operation Temp	0 ~ 45°C
Storage Humidity	10 ~ 90%, non-condensing
Mount	In wall mount
Dimension (W x H x D mm) &Weight	454 x 272.4 x 74.3 (8kg)
Optional	
Black wall Box	1
Second LAN	1 (MP-ENL21RF-2)

# SP-ENX12RS

Fanless Intel D-J1900 Quad Core 2.0 GHz  
Removable bezel Panel PC



## Feature

- Fanless design and compact solution
- Intel® Bay Trail Quad Core 2.0GHz CPU
- Resolution 800 x 600 & 1024 x 768 dpi
- 5 wires resistive touch solution
- IP65 Silver aluminum front bezel
- 4 x USB, 1 x VGA, 1 x HDMI ,2 x GLAN
- In wall mount

### System

CPU	Intel® Bay Trail D-J1900 2.0GHz Quad Core Processor
Memory	2 x 204-pin DDR3L SODIMM up to 8 GB

### H/W Monitor

Watchdog Timer	256-Level Watchdog Timer
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### I/O Ports

RS232	2
GLAN	2
USB	4
VGA	1
HDMI	1
Line-in / Line-out: MIC-In	1

### Storage

Storage	1 x SATA 2.0 2.5" HDD/SSD
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### Expansion

Mini-PCIe	1 x Full-size (one w/ mSATA)
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### Power Requirement

Power Input Voltage	DC in 12V / 19V / 24V
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### Touch Screen

Touch screen	5-wire resistive
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### Display

	MP-ENS12RS	MP-ENL12RS
Size	12.1" TFT (4:3)	
Resolution	1024 x 768	800 x 600
Colors	16.2 M	16.2 M
Luminance ( cd/m2)	500	400
Contrast Ratio	700:1	600:1
View Angle ( H / V )	160/160	160/120

### Mechanical & Environmental

Operation Temp	0 ~ 45°C
Storage Humidity	10 ~ 90%, non-condensing
Mount	In wall mount
Dimension/ (W x H x D, mm) Weight	54.9 x 264.7 x 99 mm (7.5kg)

### Optional

Black Wall Box	1
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# MP-ENL15RS

Fanless Intel D-J1900 Quad Core 2.0 GHz  
Removable bezel Panel PC



## Feature

- Fanless design and compact solution
- Intel® Bay Trail Quad Core 2.0GHz CPU
- Resolution 1024 x 768 dpi
- 5 wires resistive touch solution
- IP65 Silver aluminum front bezel
- 4 x USB, 1 x VGA, 1 x HDMI ,2 x GLAN
- In wall mount

System	
CPU	Intel® Bay Trail D-J1900 2.0GHz Quad Core Processor
Memory	2 x 204-pin DDR3L SODIMM up to 8 GB
H/W Monitor	
Watchdog Timer	256-Level Watchdog Timer
I/O Ports	
RS232	2
GLAN	2
USB	4
VGA	1
HDMI	1
Line-in / Line-out: MIC-In	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 / 19V / 24V
Touch Screen	
Touch screen	5-wire resistive

Display	
Size	15" TFT (4:3)
Resolution	1024 x 768
Colors	16.2 M
Luminance ( cd/m2)	400
Contrast Ratio	700:1
View Angle ( H / V )	160/160
Mechanical & Environmental	
Operation Temp	0 ~ 45°C
Storage Humidity	10 ~ 90%, non-condensing
Mount	In wall mount
Dimension/ (W x H x D, mm) Weight	303.7 x 400.9 x 93 mm (9kg)
Optional	
Black Wall Box	1

# MP-ENL17RS

Fanless Intel D-J1900 Quad Core 2.0 GHz  
Removable bezel Panel PC



## Feature

- Fanless design and compact solution
- Intel® Bay Trail Quad Core 2.0GHz CPU
- Resolution 1280 x 1024 dpi
- 5 wires resistive touch solution
- IP65 Silver aluminum front bezel
- 4 x USB, 1 x VGA, 1 x HDMI ,2 x GLAN
- In wall mount

System	
CPU	Intel® Bay Trail D-J1900 2.0GHz Quad Core Processor
Memory	2 x 204-pin DDR3L SODIMM up to 8 GB
H/W Monitor	
Watchdog Timer	256-Level Watchdog Timer
I/O Ports	
RS232	2
GLAN	2
USB	4
VGA	1
HDMI	1
Line-in / Line-out: MIC-In	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 / 19V / 24V
Touch Screen	
Touch screen	5-wire resistive

Display	
Size	17" TFT (4:3)
Resolution	1280 x 1024
Colors	16.7 M
Luminance ( cd/m2)	350
Contrast Ratio	1000:1
View Angle ( H / V )	140/170
Mechanical & Environmental	
Operation Temp	0 ~ 45°C
Storage Humidity	10 ~ 90%, non-condensing
Mount	In wall mount
Dimension/ (W x H x D, mm) Weight	453.5 x 352 x 90 mm (13kg)
Optional	
Black Wall Box	1

# MP-ENL19RS

Fanless Intel D-J1900 Quad Core 2.0 GHz  
Removable bezel Panel PC



## Feature

- Fanless design and compact solution
- Intel® Bay Trail Quad Core 2.0GHz CPU
- Resolution 1280 x 1024 dpi
- 5 wires resistive touch solution
- IP65 Silver aluminum front bezel
- 4 x USB, 1 x VGA, 1 x HDMI ,2 x GLAN
- In Wall mount

System	
CPU	Intel® Bay Trail D-J1900 2.0GHz Quad Core Processor
Memory	2 x 204-pin DDR3L SODIMM up to 8 GB
H/W Monitor	
Watchdog Timer	256-Level Watchdog Timer
I/O Ports	
RS232	2
GLAN	2
USB	4
VGA	1
HDMI	1
Line-in / Line-out: MIC-In	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 / 19V / 24V
Touch Screen	
Touch screen	5-wire resistive

Display	
Size	19" TFT (4:3)
Resolution	1280 x 1024
Colors	16.7 M
Luminance ( cd/m2)	250
Contrast Ratio	1000:1
View Angle ( H / V )	170/160
Mechanical & Environmental	
Operation Temp	0 ~ 45°C
Storage Humidity	10 ~ 90%, non-condensing
Mount	In Wall mount
Dimension/ (W x H x D, mm) Weight	487 x 376.8 x 93.9 mm (13.5kg)
Optional	
Black Wall Box	1

# MP-END21RS

Fanless Intel D-J1900 Quad Core 2.0 GHz  
Removable bezel Panel PC



## Feature

- Fanless design and compact solution
- Intel® Bay Trail Quad Core 2.0GHz CPU
- Resolution 1920 x 1080 dpi
- 5 wires resistive touch solution
- IP65 Silver aluminum front bezel
- 4 x USB, 1 x VGA, 1 x HDMI ,2 x GLAN
- In wall mount

System	
CPU	Intel® Bay Trail D-J1900 2.0GHz Quad Core Processor
Memory	2 x 204-pin DDR3L SODIMM up to 8 GB
H/W Monitor	
Watchdog Timer	256-Level Watchdog Timer
I/O Ports	
RS232	2
GLAN	2
USB	4
VGA	1
HDMI	1
Line-in / Line-out: MIC-In	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 / 19V / 24V
Touch Screen	
Touch screen	5-wire resistive

Display	
Size	21.5" TFT (16:9)
Resolution	1920 x 1080
Colors	16.7 M
Luminance ( cd/m2)	300
Contrast Ratio	3000:1
View Angle ( H / V )	178/178
Mechanical & Environmental	
Operation Temp	0 ~ 45°C
Storage Humidity	10 ~ 90%, non-condensing
Mount	In wall mount
Dimension/ (W x H x D, mm) Weight	581.3 x 337.2 x 96mm(14kg)
Optional	
Black Wall Box	1