

SPC-10W35

10.1" Intel® Celeron® Processor J6412 fanless rugged sheet metal panel PC with front IP65 / rear IP54



Product Features

- 10.1" rugged sheet metal panel PC
- Projective capacitive touchscreen full flat design
- Front IP65 / rear IP54
- Operating temperature 0°C ~ 40°C
- CE/FCC Class B
- Intel® Celeron® J6412 Processor
- Fanless design
- Wide range DC in +12V ~ +24V
- Wall / stand / VESA 100mm x 100mm

Specification

System Information	
Processor	Intel® Celeron® J6412 Processor (1.5M Cache, up to 2.60 GHz)
System Memory	1 x 260-pin DDR4 3200MHz SO-DIMM Socket, Supports Up to 32GB Max. (non ECC only)
I/O Chipset	EC iTE IT5571
Watchdog Timer	H/W Reset, 1sec. ~ 65535sec and 1sec. or 1min./step
H/W Status Monitor	CPU & system temperature monitoring Voltages monitoring
TPM	TPM 2.0
SBC	ECM-EHL3 A1 J6412 Lite
CPU Cooler (Type)	Fanless heatsink

Expansion

- Expansion** M/B with 3 M.2 slot:
- 1 x M.2 Type E 2230 supports WiFi module (PCIe x1 & USB 2.0 Signal)
 - 1 x M.2 Type B 3042/2242, standard package with 3042 to 3052 bracket + screw set (with SATA and USB 3.0/USB 2.0, with 1 x SIM card slot, supports WWAN+GNSS or SSD)
 - 1 x M.2 Type M supports 2260 slot, standard package with 2260 to 2242 bracket + screw set (with 1 x PCIe x1 signal)

Storage

Other Storage Device 1 x M.2 Type B 3042/2242 slot for M.2 SSD

Ethernet

LAN Chipset 2 x Intel® I210AT (Co-lay I210IT/I211AT) Gigabit Ethernet

Ethernet Interface 2 x M12 4-pin(D-coded female) for LAN with waterproof cover and chain

Power Requirement

DC Input +12V ~ +24V

Power Mode ATX mode

Power Connector Type 1 x M12 4-pin (male) for DC power with waterproof cover and chain

Software Support

OS Win10 / Linux

Certification

Certification Information CE / FCC Class B

Panel

LCD Size 10.1", 16:10

Display Type WXGA

Resolution 1280 x 800

Pixel pitch 0.1695mm(H) x 0.1695mm(V)

Luminance 500 cd/m²

Contrast ratio 800

Viewing angle 89 (U), 89 (D), 89(L), 89 (R)

Response time 29 ms

Backlight LED

Touch Type Projective capacitive multi-touch up to 10 points

Touch Light Transmission 85%

Touch Controller EETI

External I/O

USB Port	2 x Waterproof USB 2.0(plastic USB-socket) with waterproof cover and chain
LAN Port	2 x M12 4-pin(D-coded female) for LAN with waterproof cover and chain
COM Port	1 x M12 8-pin (male) COM1(RS-232) with waterproof cover and chain
Switch	1 x Power Switch on the back

Internal I/O

SATA	1 x SATA III
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Mechanical & Environmental

Operating Temp.	0°C ~ 40°C
Storage Temp.	0°C ~ 60°C
Operating Humidity	10% to 85%, non condensing
Dimension (W x L x H)	295.4 x 213.4 X48 mm
Weight	3.5 Kg
Vibration Test	DIN EN 60068-2:2008 Frequency range: 10~150 Hz Amplitude: 0,15mm bzw. 2g Gradient: 1 Okt/min Test duration: 20 Cycles per axis(40 sweeps) Axis: 3 (X,Y,Z)
Shock Test	DIN EN 60068-2-27:2010 Shock: 15g / 6ms Form: Semi-sinus Quantity: 4.000 per direction and axis (+-X;+-Y;=-Z;24.000 total)
Drop Test	Package drop test Reference ISTA 2A, Method : IEC-60068-2-32 Test:Ed Test Ea : Drop Test 1 Test phase : One corner, three edges, six faces 2 Test high : 96.5cm 3 Package weight : 5Kg 4 Test drawing
IP Rating	Front IP65 / Rear IP54
Mounting Kit	Wall / Stand / VESA 100mm x 100mm
Power Mode	ATX
System Fan	Fanless
Construction - Front	Sheet metal, SECC + black painting, matt finish
Construction - Rear	Sheet metal, SECC + black painting, matt finish

Ordering Information

M12 external M12 DC-in cable (TBD)

ACC-ADP-060N-09R
AC/DC adapter 24V/2.5A 90 Plug Type

E1702031833R
USA Power Cord

E1702031000R
EU Power Cord

E1702031834R
Japan Power Cord

E1702031830R
UK Power Cord

E1702031831R
Australia Power Cord



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