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ACP-1104



Overview

The 10.1" ACP-1104 continues to feature a projected capacitive touchscreen with a 7H scratchproof glass and an ultra-slim profile that is proved to be popular among users of its predecessor, the ACP-1103. However, though physically similar, the ACP-1104 is powered by the advanced quad-core J1900 processor by Intel, effectively boosting its

general performance and also broadening its usable OS. Additional features such as more LAN ports for system redundancy and Digital I/Os make the panel an ideal choice for applications in factory automation and monitoring, machine vision, and the burgeoning IoT solutions.

Applications

- Machine Maker
- Factory Automation
- POS
- Environmental Monitoring

Features

- 10.1" WXGA (1280 x 800) Color TFT LCD Display
- Intel® Celeron® J1900/ N2807 Processor
- Aluminum Design
- P-CAP Multi-touch
- Fanless Operation
- VESA 75/ Panel Mount/ Stand Support
- IP65 Compliant Front Bezel

Specifications [ACP-1104]

system

processor	Intel® Celeron® J1900 processor, 2 GHz Intel® N2807 processor, 1.58 GHz
System Memory	204-pin DDR3L 1333MHz SODIMM x 1, default 2 GB, up to 8 GB (J1900) 204-pin DDR3L 1333MHz SODIMM x 1, default 2 GB, up to 4 GB (N2807)
LCD/CRT Controller	—
Ethernet	10/100/1000Base-TX, RJ-45 x 2

I/O Port	RS-232/422/485 x 2 (RJ-45 connector) USB 2.0 type A x 3 USB 3.2 Gen 1 type A x 1 HDMI x 1 DI/O (4 DI, 2 DO) BIOS selection Power button x 1 Lockable power connector x 1
Storage Disk Drive	Half size mSATA x 1 (Installation by AAEON recommended)
Expansion Slot	Full size Mini-Card x 1
OS support	Windows® 7, Windows® 8.1, Windows® 10, Linux kernel 2.6.3 or higher, Android 4.4.4
mechanical	
Construction	Aluminum Design
Mounting	VESA 75/ Panel mount/ Stand
Dimension	10.47" x 7.22" x 1.81" (266 x 183.5 x 30mm)
Carton Dimension	13.58" x 7.87" x 9.65" (345 x 200 x 245mm)
Gross Weight	5.5 lb (2.5 kg)
Net Weight	—
environmental	
Operating Temperature	32°F ~ 113°F (0°C ~ 45°C) without airflow 32°F ~ 122°F (0°C ~ 50°C) with airflow
Storage Temperature	-4°F ~ 158°F (-20°C ~ 70°C)
Storage Humidity	5%~90% @40°C, non-condensing
Vibration	1 Grms/ 5~ 500Hz/ operation
SHOCK	15 G peak acceleration (11 msec. duration)
EMC	CE/FCC class A
power supply	
DC Input	DC 12V with lockable power adapter
Icd	
Display Type	10.1" TFT-LCD, LED
Max. Resolution	1280 x 800
Max. Colors	262k
Luminance	300 cd/m ²
Viewing Angle	170°(H), 170°(V)
Back Light	LED
Back Light MTBF (hours)	—
touchscreen	
Type	Projected capacitive multi-touch

Ordering Information [ACP-1104]

Part Number	ACP-1104HTT-A1-1014	ACP-1104HTT-A3-1014	ACP-1104HTT-B1-1014	ACP-1104HTT-B3-1014
display type	10.1" TFT- LCD	10.1" TFT- LCD	10.1" TFT- LCD	10.1" TFT- LCD
max resolution	1280 x 800	1280 x 800	1280 x 800	1280 x 800
luminance	300 cd/m ²	300 cd/m ²	300 cd/m ²	300 cd/m ²
view angle	170°(H), 170°(V)	170°(H), 170°(V)	170°(H), 170°(V)	170°(H), 170°(V)
backlight mtbf	25,000	25,000	25,000	25,000
cpu	Intel® Celeron® J1900, 2.0 GHz	Intel® Celeron® N2807, 1.58 GHz	Intel® Celeron® J1900, 2.0 GHz	Intel® Celeron® N2807, 1.58 GHz
lan	2	2	2	2
usb	USB 3.2 Gen 1 x 1, USB 2.0 x 3	USB 3.2 Gen 1 x 1, USB 2.0 x 3	USB 3.2 Gen 1 x 1, USB 2.0 x 3	USB 3.2 Gen 1 x 1, USB 2.0 x 3
rs-232	—	—	—	—
rs-232/422/485	2	2	2	2
storage	Half size mSATA	Half size mSATA	Half size mSATA	Half size mSATA
ram	2GB	2GB	2GB	2GB
display expansion	HDMI x 1	HDMI x 1	HDMI x 1	HDMI x 1
mounting	—	—	WiFi	WiFi
power	VESA 75/ Stand	VESA 75/ Stand	VESA 75/ Stand	VESA 75/ Stand
temp	DC 12V	DC 12V	DC 12V	DC 12V
	32°F ~ 113°F (0°C ~ 45°C)	32°F ~ 113°F (0°C ~ 45°C)	32°F ~ 113°F (0°C ~ 45°C)	32°F ~ 113°F (0°C ~ 45°C)
	(mSATA, w/o airflow) 32°F ~ 122°F (0°C ~ 50°C) (mSATA, w/ airflow)	(mSATA, w/o airflow) 32°F ~ 122°F (0°C ~ 50°C) (mSATA, w/ airflow)	(mSATA, w/o airflow) 32°F ~ 122°F (0°C ~ 50°C) (mSATA, w/ airflow)	(mSATA, w/o airflow) 32°F ~ 122°F (0°C ~ 50°C) (mSATA, w/ airflow)

touch	Projected Capacitive touch	Projected capacitive touch	Projected capacitive touch	Projected capacitive touch
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Packing List

- 1255300607: Power Adapter, DC12V, 60W
- 1700090156 x 2: RJ-45 to COM Cable
- VESA Mount Kit
- 9741107300: Panel Mount Kit
- VESA Screws
- ACP-1104

Optional Accessories

1702031802	Power Cord (US Type)
1702031803	Power Cord (European Type)
170203180E	Power Cord (Japanese Type)
M041073020	Stand Kit

Half Size mSATA Storage Device

968C016G4Q	(TF)Half-sized, 16 GB, mSATA SSD, MLC, -40°C ~ +85°C
968C032G3K	(TF)Half-sized, 32 GB, mSATA SSD, MLC, -40°C ~ +85°C
968C064G3A	(TF)Half-sized, 64 GB, mSATA SSD, MLC, -40°C ~ +85°C
968C128G1Q	alf-sized, 128 GB, mSATA SSD, MLC, -40°C ~ +85°C
Note	AAEON factory-installed mSATA HDD is strongly recommended.

SKU: ETE970146. Categories: Computing Systems, Panel PC.

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