

AFL3-W07A-AL

7-inch light industrial PoE touch panel PC with Intel® Celeron N3350 SoC



Features

- » 7" WSVGA 1024 x600 TFT LCD
- » Fanless system with Intel® 14nm dual-core Celeron N3350 2.3GHz on-board SoC (up to 2.4GHz, TDP 6W)
- » 10-point PCAP multi-touch with anti-glare and anti-UV treatment
- » IEEE802.3 at/30W PoE PD power or 12V DC input
- » WLAN IEEE 802.11a/b/g/n/ac and Bluetooth 4.1
- » Selectable AT/ATX power mode
- » Lightweight yet exceptionally strong plastic mechanism with high impact strength and thermal resistance
- » IP65-rated front panel for water and dust resistance

Specifications

| | |
|-----------------------------|--|
| System | |
| Cooling method / System Fan | Fanless |
| CPU | Intel® Celeron N3350 (2M Cache, up to 2.4 GHz) TDP 6W |
| Storage | 1 x M.2 B+M key PCIe 2242 (USB/SATA signal) |
| Communication | |
| Bluetooth | Bluetooth V4.1 |
| Wireless | IEEE 802.11a/b/g/n/ac |
| I/O Interface | |
| Ethernet | 2x PCIe GbE by Intel® i211 controller |
| Audio | AMP 2W (internal speaker) |
| Audio Codec | ALC269 |
| RAM | One 4GB DDR3L 204-pin SO-DIMM memory pre-installed |
| Power | |
| Power Requirement | 12V , 3A |
| Environment | |
| Operating Temperature | -20°C ~ 50°C |
| Safety & EMC | CE / FCC class A |
| Humidity | 10% to 95% (non-condensing) |
| Storage Temperature | -20°C~60°C |
| IP Level | IP 65 compliant front panel |
| Weight | |
| Weight | 0.73kg/1.81kg |
| LCD | |
| Size | 7" |
| Resolution | 1024 x 600 (16:9) |
| Brightness (cd/m2) | 500 |
| Contrast Ratio | 700:1 |
| LCD Color | 16.7M |
| Pixel Pitch (mm) | 0.1506 (H) x 0.1432 (V) |
| Viewing Angle (H-V) | 150° / 145° |
| Backlight MTBF | 20000 (LED backlight) |
| Touch | |

| | |
|----------------------|--|
| Touch Screen | Projected capacitive type with USB interface (anti-UV) |
| Touch Controller | EXC80H60 |
| I/O Interface | |
| I/O Interface | 1 x AT/ATX Switch |
| | 1 x Clear CMOS |
| | 2 x USB 2.0 |
| | 2 x USB 3.2 Gen1x1 |
| | 2 x LAN (GbE) |
| | 1 x Power Switch |
| | 1 x Reset Button |
| | 1 x Power In |
| OS Support | |
| OS Support | Microsoft Windows 10, Linux |

Ordering Information


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|-----------------------------|--|
| AFL3-W07A-AL-N1/P/PC/4G-R10 | 7" 500cd/m2 1024x600 Panel PC with Intel® Celeron® Processor N3350 (6W) on-board Processor , on-baord POE at, 1*4GB DDR3L , 802.11a/b/g/n/ac WiFi module, PCAP touch,R10 |
|-----------------------------|--|

Packing List

| | |
|------------------------------|----------------------------|
| 4 x Round head machine screw | 4 x Pan head machine screw |
| 1 x Power cord | 1 x Power adapter |

Hardware Feature

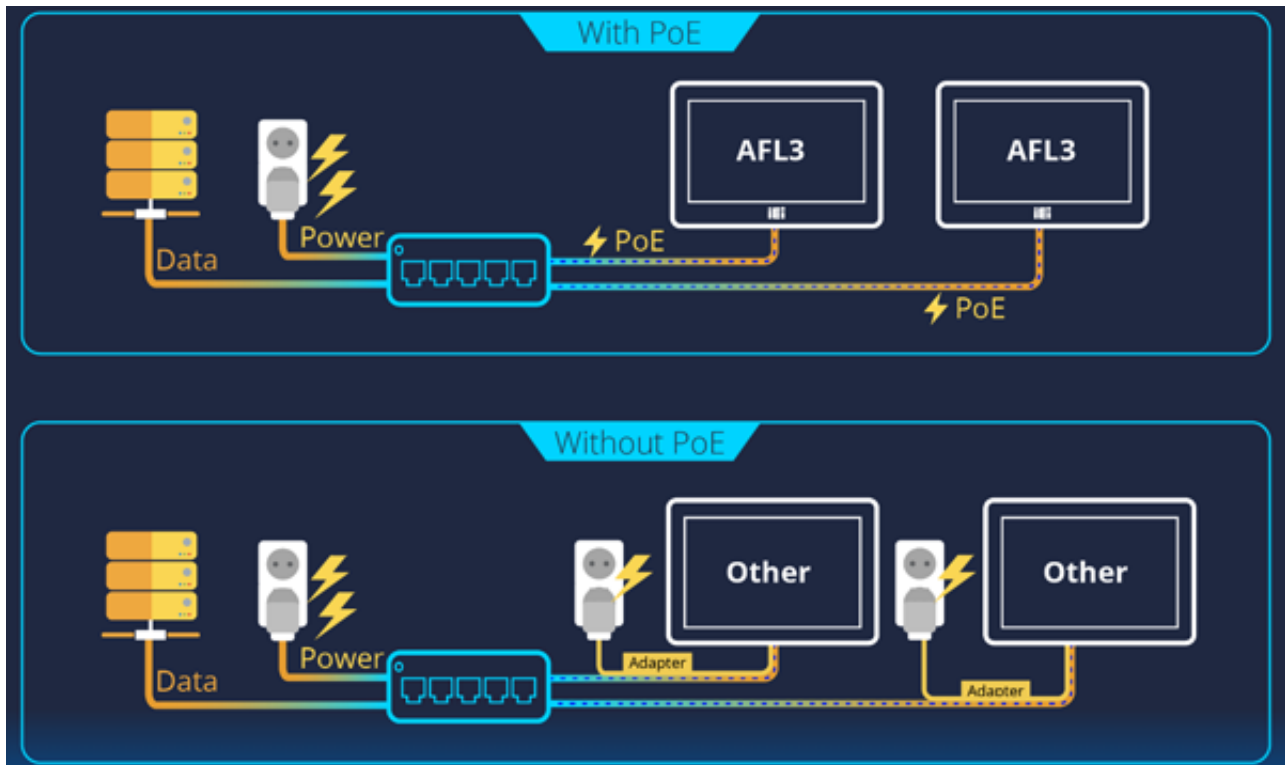
The Intel® Celeron® processor J3455 Apollo Lake, empowers real-time computing in digital surveillance, new in-vehicle experiences, advancements in industrial and office automation, new solutions for retail and medical, and more. These processors are based on the Goldmont architecture, utilizing Intel's industry-leading 14 nm process technology.



| CPU microarchitecture | Bay-Trail | Apollo lake |
|-----------------------|--------------------|------------------------|
| Core Count | Up to 4 | Up to 4 |
| GPU Graphics | Intel® HD Graphics | Intel® HD Graphics 500 |
| EU Count | up to 6 EU | up to 12 EU |
| Codecs | DirectX 11 | DirectX 12 |
| Process technology | 22 nm | 14nm |

IEEE 802.3 at Standard PoE PD Panel PC

PoE allows electronic devices to receive both power and data through one Ethernet plug-in, which means less cabling and less cost is required for factory automation.



Multi-touch Screen for Industry

IEI's AFL3 series integrated with PCAP glass touch screen is extremely easy to clean and very resistant to scratches. Notes: The linen gloves touch function for optional



-20°C ~ 50°C Fanless Design



Suitable for Semi-outdoor Environment

IP65-rated front panel for water and dust resistance



Anti-glare (AG) and UV-resistant Touch Screen

The screen features anti-glare and anti-UV coating, which can reduce the reflection rate from 8% to 1% and effectively slow the aging of the screen.



Integrated I/O

