

DS-066 Sales kit

Intel® Celeron® J1900 Quad-Core
Ultra-slim Fanless Digital Signage Player



Digital Signage, EIIOT Advantech, Aug 2019

Smart Cloud-Based Signage Solution



Content Security



Content Management



Real-time Maintenance



Scheduling

Entry Level

- High price-performance ratio
- Low-power & fanless

Ultra-Slim

- 19mm thin & fanless
- Available from core I to Celeron


Multi-Display

- Video wall solutions
- Supports flexible configuration


OPS/SDM

- Intel Open Pluggable Standard
- Slot-in & Cableless design


Ultra Slim Series Roadmap

■ Available
 ■ Developing
 ■ Planning
  Fanless


Embedded

DS-080 


- 5th Gen. Intel Core CLR 3765U
- 2x HDMI, 3840x 2160@30Hz
- 4x USB3.0, 2x LAN, 1x COM

DS-081 (6th Gen) 

- 6th Gen. Intel Core i5-6300U, i3-6100U
- 2x HDMI, 4096 x 2160@30Hz
- 4x USB3.0, 2x LAN, 1x COM

DS-066 

- Intel Celeron J1900
- 2x HDMI, 1920x 1080@60Hz
- 1x USB3.0, 3x USB2.0, 1x LAN, 1x COM


DS-081 (7th Gen) 

- 7th Gen. CLR-3965U
- 2x HDMI, 4096 x 2160@30Hz
- 4x USB3.0, 2x LAN, 1x COM


DS-082

- AMD Ryzen V/R series
- Max. 4x HDMI, 4096 x 2160
- 4x USB3.0, 1x LAN, 1x COM

Commercial

DS-081 (7th Gen) 

- 7th Gen. Celeron -7200U
- 2x HDMI, 4096 x 2160
- 4x USB3.0, 2x LAN, 1x COM

DS-083 

- 9th Gen. Intel Core i5/i3
- 2x HDMI 2.0
- 4 x USB3.0, 2x LAN, 1x COM

Lifecycle: ~Q1 2020

MP
2H 2019
2020

Ultra Slim Series



19 mm
Thickness

HDMI x 2

HDMI 1.4 support

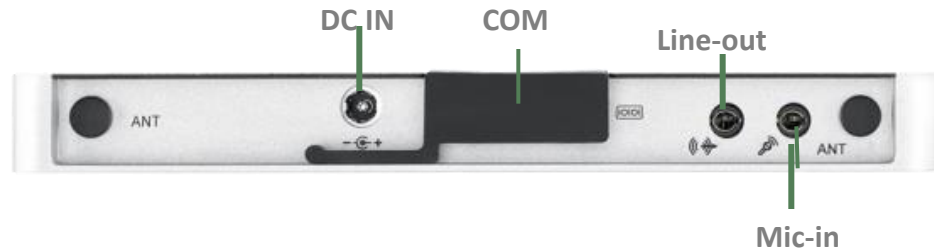
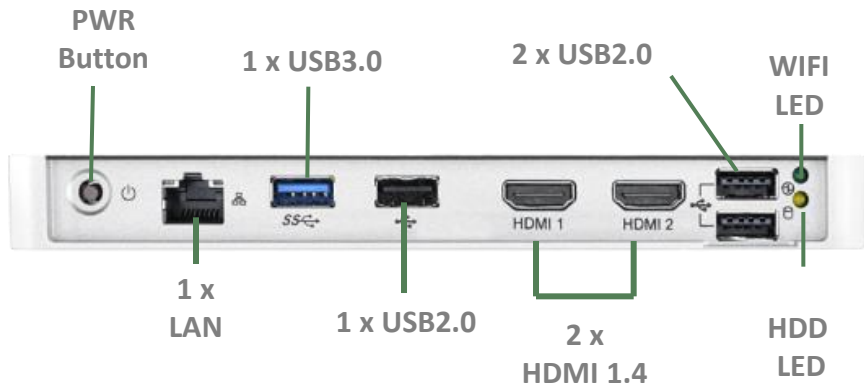
Fanless Design

Device
Management
Built-in

DS-066 Product Spec

[Front view]

[Rear view]



DS-066 Product Spec

Processor

- [Processor] Intel J1900 quad-core 2.0 GHz SoC processor
- [Memory] 2 x DDR3L1866 ,SO-DIMM, max. up to 4GB x2



Display

- [Display output] 2 x HDMI 1.4
- [Max Resolution] 1080P

I/O & Storage

- [I/O] 1 x USB 3.0, 3 x USB 2.0, 1x RJ-45*, 1x COM, 1 x Mic, 1 x Line out
- [Storage] 1 x 2.5" SATA III
- [Expansion] 1 x M.2 slot for 1630/2230 E-key

Physical & Environment

- [Dimensions] 180(L) x 190(W) x 19(H) (mm)
- [Operating temp @0.7 m/s] 0°C -40°C (w/ HDD) , 0°C -50°C (w/ SSD)



Fanless design

Certification & OS

- [Certifications] UL, CB, CE, FCC class B ,CCC, BSMI
- [Operating System] Win10Ent (64bit), Linux (by project)



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Selling Point

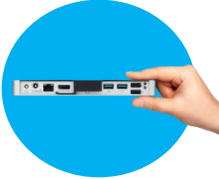


DS-066



Dual HDMI Display Outputs

- ✓ Powered by Intel J1900
- ✓ 2x HDMI, drive discrete FHD playback



Ultra Slim & Fanless Design



- ✓ Ultra-slim design: ideal for installation in limited spaces
- ✓ Fan-less / Cable-less for maximized reliability & stability
- ✓ Supports VESA / Wall Installation



Rich I/O Connectivity

- ✓ 1 x USB 3.0, 3 x USB 2.0
- ✓ 1 x RJ45, 1 x RS232, 1 x Audio out, 1 x Mic-in
- ✓ M.2 E-key for wireless module



Value Added Software for IoT Integration

- ✓ Wise-PaaS/DeviceOn for remote system manageability
- ✓ Free bundle with Acronis/McAfee

DS-066 Performance



CPU Performance

GeekBench 3 (Multi-core)

Data courtesy [Primate Labs](#)

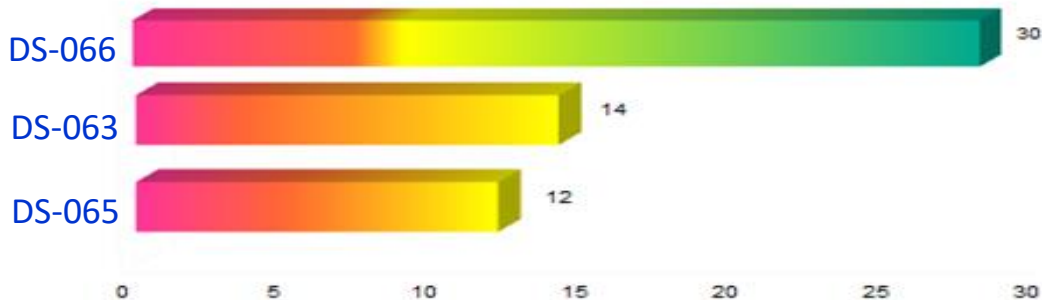
DS-066	Celeron J1900	2,927
DS-063	Atom D2550	1,147
DS-065	Atom N2600	938

GeekBench 3 (Single core)

Data courtesy [Primate Labs](#)

DS-066	Celeron J1900	924
DS-063	Atom D2550	467
DS-065	Atom N2600	386

Video Performance



Target Applications



Field Site



Self-service Kiosk



Indoor
Advertisement



Information
system

Value Proposition

Cost effective & Ultra slim signage player

Ideal for entry level market and installation in limited spaces

Application focused for Retail/information system

Target to streamlined application requirements, support up to dual HDMI display outputs and FHD playback



Remote Management at Scale

Monitor device health, take real-time actions, troubleshoot problems

Exceptional Hardware Offering and Expandability

Capable to drive dual FHD video playback for immersive visual experience. Multiple I/O also offered expandability for add-on peripherals.

Case Study – Indoor Advertisement

Application:

Advertising new product features, news, and latest promotion

Requirement:

- Supports up to dual displays
- Work under greasy dirty air
- Cost effective and installation in limit spaces

System Solutions:

- Independent dual display
- Fanless
- Remote advertisements / Schedule management



Data Center



DS-066

GbE/WiFi

Display

Display



HDMI

HDMI



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Case Study – Information System

Application:

- Displaying entertaining video, important notifications
- Informing of forthcoming events, show schedule, emergency exits or facility maps

Requirement:

- Eye-catching graphics to drawing customers' attention
- Easy edit layouts

System Solutions:

- Cost effective signage solutions
- Remote information/advertisement /Schedule management



Ordering Information

Product P/N

DS-066GBF-U0A1E

DS-066 BYT-D J1900, Barebone

Packing List

-	1 x DS-066
-	1 x 19V Power Adapter
-	2 x Wall Mount Brackets
-	2 x user manual

Power Cord

1700001524	3-pin power cord (US)
170203183C	3-pin power cord (EU)
170203180A	3-pin power cord (UK)
1702031836	3-pin power cord (AU)
1700008921	3-pin power cord (JP)
1700019146	3-pin power cord (CCC)

Optional Accessories

EWM-W163M201E	Advantech Brand, 802.11 a/b/g/n/ac, Atheros QCA6174A-5, 2T2R, with BT4.2 (Low energy operation) (A-E key)
EWM-W160M201E	Advantech Brand, 802.11 b/g/n, Realtek RTL8188EE, 1T1R (2-antenna) (A-E Key)
AMK-V005E	VESA mount kit (generic for ARK-DS/DS)

Embedded OS

20706WX9ES0005	img W10 19EL DS-066 64b 1809 ENU
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More To Be Updated...

*Go Together,
We Go Far and Grow Big*

