

DS-085

Ultra-slim 4 Display Digital Signage Player



Introduction

Measuring at 19 mm thick, DS-085 is the world's slimmest digital signage player powered by Intel TGL UP3 series. This thin-and-powerful signage player is equipped with 4 x HDMI display which is capable to achieve up to 4K resolution, and delivers a premium visual experience when graphics performance really matters. Windows 10 OS, Linux are supported, and Advantech WISE-PaaS/SignageCMS, Web-based content management software, is also free on offer. We've designed the DS-085 in the smallest possible form factor, for optimized performance.

Specifications

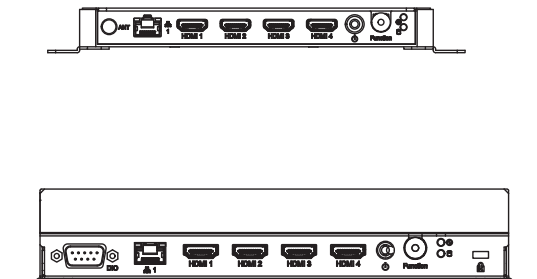
| | | | |
|--------------------------|------------------------|--|--|
| | | DS-085SGB-U1A1E, Celeron 6305E, DS-085SGB-U2A1E, i3 1115G4E, DS-085SGB-U3A1E, i5 1145G7E, DS-085SGB-U6A1E, i5 1135G7, | DS-085LGB-U1A1E, i7 1165G7, DS-085LGB-U2A1E, Celeron 6305E, DS-085LGB-U3A1E, i3 1115G4E, DS-085LGB-U4A1E, i5 1145G7E, DS-085LGB-U5A1E, i5 1135G7 |
| Processor | Chipset | Integrated in SOC | |
| | BIOS | AMI uEFI 128 Mbit | |
| | Technology | DDR4 2666MHz | |
| Memory | Max. Capacity | 32GB (16GB per SO-DIMM) | |
| | Socket | 2 x 260-pin SODIMM | |
| CPU TDP | | 15W | 28W |
| Thermal Solution | | Fanless | |
| Display | Graphics Engine | Intel UHD graphics | |
| | Output | HDMI 2.0 x 4 | |
| | Resolution | 3840 x 2160 @ 60Hz | |
| Ethernet | Controller | Intel I219-LM & Realtek RTL8119I | |
| | Interface | Gigabit LAN Controller | |
| | Connector | 2 x RJ-45 | |
| I/O Interfaces | Audio | 1 (Line-Out/Mic-In/Headset) | |
| | LAN (RJ-45) | 2 | |
| | HDMI | 4 | |
| | USB | 4 (2.0x2, 3.0x2) | 8 (2.0x6, 3.0x2) |
| | Serial Port (RS-232) | 1 | 2 |
| | PSW | 1 x Power on/off button | |
| | Function Button | Reserve for OEM demand | |
| | IR Phone Jack | Reserve for OEM demand | |
| | DIO & External Power | N/A | Yes |
| | LED Indicators | 1 x Power, 1 x HDD Access | |
| Storage | M.2 | 2242 M Key (SATA) | |
| WiFi & BT | M.2 | 2230 E Key | |
| Power Requirement | Power Management | ACPI 3.0 | |
| | Input Voltage | 19 V DC-in (ATX/AT mode) | |
| Watchdog Timer | Output | Interrupt, system reset | |
| | Interval | 255-level timer interval, setup by software | |
| Physical Characteristics | Mounting | VESA/Desk/Wall/Din Rail | |
| | Dimensions (W x D x H) | 180 x 190 x 19mm | 210 x 178 x 40mm |
| | Weight | 0.87 kg | 2.1 kg |
| Environment | Operating Temperature | 0 - 40 °C with 0.7 m/s airflow | 0 - 55 °C with 0.7 m/s airflow |
| | Relative Humidity | 95% @ 40 °C (non-condensing), operating | |
| Operating System | Operating System | Win10 x64 | |
| | Linux | supported by project | |
| Certifications | EMC | CE, FCC Class B, CCC, BSMI, RED, UKCA | |
| | Safety | UL, CB, CCC, BSMI, UKCA | |

Features

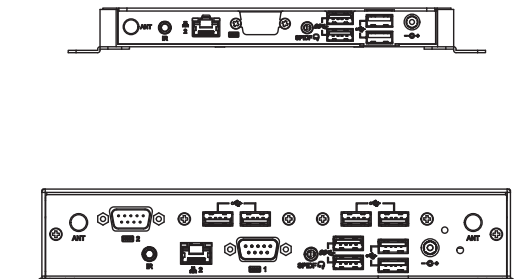
- Powered by 11th Gen Intel® Core™ i3/i5/i7 and Intel® Celeron® 6305E processors
- Powerful graphic engine - iRIS® Xe
- 19mm-thin chassis ideal for space-limited installation
- 4 HDMI display output, resolution up to 4K(3840 x 2160)
- Supports WISE-PaaS/DeviceOn and Embedded Software APIs
- Supports WebAccess/SignageCMS for intuitive signage content managing, remote monitoring and control

McAfee® Acronis WISE-PaaS/SignageCMS WISE-DeviceOn

Front View



Rear View



Ordering Information

| Part Number | Description |
|-----------------|---|
| DS-085SGB-U1A1E | DS-085, Small, Celeron 6305E, Barebones |
| DS-085SGB-U2A1E | DS-085, Small, i3 1115G4E, Barebones |
| DS-085SGB-U3A1E | DS-085, Small, i5 1145G7E, Barebones |
| DS-085SGB-U6A1E | DS-085, Small, i5 1135G7, Barebones |
| DS-085LGB-U1A1E | DS-085 Large, i7 1165G7, Barebones |
| DS-085LGB-U2A1E | DS-085 Large, Celeron 6305E, Barebones |
| DS-085LGB-U3A1E | DS-085 Large, i3 1115G4E, Barebones |
| DS-085LGB-U4A1E | DS-085 Large, i5 1145G7E, Barebones |
| DS-085LGB-U5A1E | DS-085 Large, i5 1135G7, Barebones |

Packing List

| Part Number | Description |
|-------------|------------------------------|
| - | 1 x DS-085 |
| - | 1 x 19V Power adapter |
| - | 1 x China RoHS |
| - | 2 x Wall Mount Brackets |
| - | 1 x User's Manual (En/TC/SC) |
| - | 4 x Rubber foot and screws |

RAM & Storage

| Part Number | Description |
|--------------------|-----------------------------------|
| SQR-SD4N4G2K6SNPCB | Memory, SQ, DDR4 4GB |
| SQR-SD4N8G2K6SNBCB | Memory, SQ, DDR4 8GB |
| SQR-SD4N16G2K6SNCB | Memory, SQ, DDR4 16GB |
| SQF-SM4V2-64GCSBC | Storage, M.2 2242, SQ, TLC, 64GB |
| SQF-SM4V2-128GCSBC | Storage, M.2 2242, SQ, TLC, 128GB |
| SQF-SM4V2-256GCSBC | Storage, M.2 2242, SQ, TLC, 256GB |
| SQF-SM4V2-512GCSBC | Storage, M.2 2242, SQ, TLC, 512GB |

Embedded OS

| Part Number | Description |
|----------------|--|
| 20706WX9EM0034 | Win10 IoT 2019 64 Bit, for Intel Celeron |
| 20706WX9VM0026 | Win10 IoT 2019 64 Bit, for Intel i3/i5 |
| 20706WX9HM0030 | Win10 IoT 2019 64 Bit, for Intel i7 |
| 20706U20DS0018 | Ubuntu20.4 DS-085 64b 2004 ENU |

Power Cord

| Part Number | Description |
|---------------|-----------------------------------|
| 1700001524 | 3-pin power cord (US) |
| 170203183C | 3-pin power cord (EU) |
| 170203180A-01 | 3-pin power cord (UK) |
| 1700008921 | 3-pin power cord with PSE (Japan) |
| 1700019146 | 3-pin power cord (CCC) |
| 1700018553 | 3-pin power cord (AU) |
| 1700024849-01 | 3-pin power cord (TW) |

Optional Items

| Part Number | Description |
|---------------|--|
| AMK-V005E | VESA mount kit (Generic for ARK-DS/DS) |
| AMK-V017E | DS products VESA with Din Rail bracket |
| EWM-W192M202E | M.2 2230 WiFi & BT |