MDS-500 Series

11th Generation Intel® Processor-Based Fanless Media Player/ Embedded Computer

Preliminary



Features

- 11th Gen. Intel® Core™ i5 CPU
- 4x independent displays for FHD/4K resolution
- Fanless, rugged design for 24/7 operation
- M.2 2280 SSD up to 2TB
- DDR4 SODIMM up to 32GB
- Optional Wi-Fi 5 and LTE modules

Optional Accessories

- Windows® 10 IoT Enterprise LTSC 64-bit
- Linux Ubuntu 20.04 LTS

Ordering Information

Model	CPU	Memory
MDS-500/M8G	Intel® Core™ i5-1145G7E	1x 8GB

Optional Accessories

- Wireless Module
  Wi-Fi kit (w/ antenna)
  LTE kit (w/ antenna)
- AC/DC Adapter
  31-62163-1000-A0 120W 12V/10A Adapter

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Specifications

Model Name	MDS-500
System Core	
Processor	Intel® Core™ i5-1145G7E
TDP	15W
# of Cores	4
Base Freq.	1.5 GHz
GHzMax Turbo Freq.	4.1 GHz
Memory	DDR4 up to 32 GB
I/O Interface	
Display	1x DP 1.4 3x HDMI 2.0
Ethernet	2x GbE RJ-45
Serial Ports	1x DB9 COM (RS-232)
USB	4x USB 3.0
Audio	Line-out, Line-in
Storage Device	
M.2	1x 2280 SSD
Mechanical	
Dimensions	211 (W) x 115 (D) x 35 (H) mm
Weight	2.5 kg
Mounting	Wall mount
Power Supply	
DC Input	12V DC
Environmental	
Operating Temperature	Standard: 0°C - 50°C / ETT: -20°C to 50°C
Storage Temperature	-40°C to 85°C (-40°F to 185°F) (excluding storage)
Humidity	~95% @ 40°C (104°F) (non-condensing)
Vibration	Operating: 3 Grms, 5-500 Hz, 3 axes (w/ SSD)
Shock	Operating: 50 Grms, half sine 11ms duration (w/ SSD)
ESD	Contact ±4KV, Air ±8KV
EMC	EN61000-6-4/-2, CE, FCC Class B
Safety	UL/cUL, CB

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