



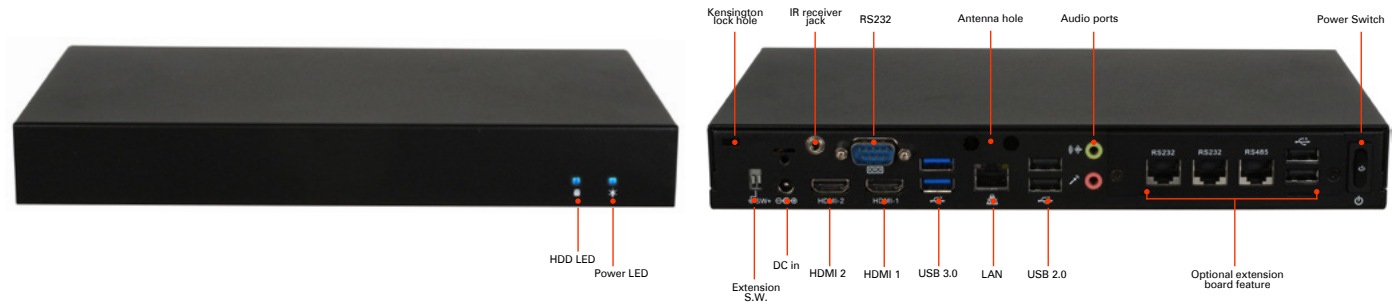
Ultimate flexibility for process control **DES4100**

The Digital Engine DES4100 is based on the AMD embedded G-Series SoC (system on chip) platform. This slim sized (35mm) media player delivers high graphic performance and is able to fulfill needs for low-power consumption with the AMD embedded GX-420CA Quad-Core processor. Moreover the DES4100 comes with an optional extension board feature for extra input and output capabilities.

The features of the DES4100:

- + Powers up to two independent full HD displays
- + Supports DASH which allows you to remotely control your hardware
- + Advanced scheduling is possible due to Super RTC
- + Watchdog timer is included
- + Monitor your device and set up warning levels for each specific thermal and voltage variable

DES4100



Model name		DES4100
Feature		Slim size (35 mm), able to fulfill needs for low-power consumption
Dimension	W x H x D (mm)	273 x 35 x 155 mm
	W x H x D (inch)	10.74 x 1.37 x 6.10 inch
Weight		1.275 kg
Housing Material		0.8mm SECC
CPU/ Chipset	Type	AMD embedded G series SOC Quad Core APU GX-420CA (2.0 GHz) TDP 25W
Memory		DDR3L SO-DIMM 1333/1600 x2 up to 16 GB (based on OS support)
Graphics	Chip	AMD RADEON 8330E Graphic for GX-415GA
Audio	Type	Realtek HD Audio codec ALC269Q
LAN		Realtek 8111DP GbE LAN controller (supports DASH)
Expansion	Mini card slot	Full size x1 Half size x1 (Full size support mSATA)
Storage		2.5" SATA HDD x1
Cooling		Active (with fan)
On Board I/O	USB	x 2
	7+6P SATA connector	x 1
	Internal speaker	x 2
	3G SIM socket	x 1

Front Panel IO	Power, HDD indicator LED	x 1
	HDMI	x 2
	USB 2.0	x 2
	USB 3.0	x 2
	HD audio ports	x 2
Rear Panel IO	GbE LAN RJ45	x 1
	Power SW	x 1
	Extension SW	x 1
	COM port (RS232)	x 1
	DC 19/12V connector (19V with 65W power adaptor)	x 1
Watchdog Timer		1~255 sec.min (F71808AU)
CPU Thermal	Module	AOPEN Thermal Module
	Noise (idle mode)	27dB
Optional Upgrade	IR Interface	IR remote control Power On/Off and BIOS setting
	ADD-on card mini PCI-e interface	RS232/RS232/RS485 ports + USB 2.0 x2 (MOQ applies) Industrial Control & Automation Isolated GPIO x8 channels (MOQ applies)
Environment		
Operating Temperature		0 ~ 50°C (32 ~ 122°F)
Non-Operating Temperature		-30 ~ 65°C (-22 ~ 149°F)
Relative Humidity		95% RH (50°C non-Condensing)
Operating Vibration		0.7 Grms, random, 5~500Hz, X,Y,Z 3 Axes, 0.5hr/Axis
Non-Operating Vibration		2 Grms, random, 5~300Hz, X,Y,Z 3 Axes, 1hr/Axis
Operating Shock		10G, half sine, 11ms duration, X,Y,Z 3 Axes, 6 Direction, 3 shocks/direction
Non-Operating Shock		50G, half sine, 11ms duration, X,Y,Z 3 Axes, 6 Direction, 3 shocks/direction

Supports:



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