

**EMBEDDED COMPUTER / FANLESS SYSTEMS**

**Arrakis-4242-1-3845 - Fanless System**

Article number: Arrakis-4242-1-3845



Industrial PC, Fanless, CPU type: Intel Atom E3845, CPU frequency: 1.91 GHz, 4 CPU cores, L2 Cache: 2 MB, Frequency: 1333 MHz

GENERAL DATA	
Type	Industrial PC
Series	Arrakis
Power button	Yes
Reset button	No
Cooling	Fanless
CPU	
CPU type	Intel® Atom™ E3845
CPU generation	Bay Trail-I
CPU family	Intel® Atom™
CPU socket	Soldered
CPU frequency	1.91 GHz
CPU frequency max.	1.91 GHz
CPU cores	4
L2 cache	2 MB
Hyperthreading	No
Embedded	Yes
MEMORY / RAM	
Socket type	Soldered
Number of slots	0
Storage type	DDR3L
ECC	No
Frequency	1333 MHz
Voltage	1.35 V
Capacity	4 GB

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STORAGE	
Slot mSATA	1
Interface for bays	SATA 2.0
Amount connections for bays	1
GRAPHICS	
Graphic type	On board integrated
Graphic chip (GPU)	Intel® Graphics Gen 7
Graphic memory	Shared
Direct X Level	Level 11
OpenGL	3.0
HDMI	1
VGA	1
LVDS	2 Channels 24/48 bits
Amount simultaneous displays	2
Resolution max.	2560 x 1600
ADDITIONAL INTERFACES	
RS-232	4
USB 2.0	3
USB 3.0	1
Line-out	1
Mic-in	1
Digital Input	8 Optional
Digital Output	8 Optional
Other	1x SIM Card Slot
EXPANSION SLOTS	
mPCIe Full Size	2
ETHERNET	
Connector TX	RJ45
10/100/1000BaseTX Ports	2
POWER SUPPLY	
Power supply V DC	9 - 36 V
Power supply connector	DC IN +12 V
PHYSICAL CHARACTERISTICS	
Housing material	Aluminium
Housing color	Silver
Dimensions (W x H x D)	72.9 x 178 x 116 mm
Weight	500 g
Mounting	DIN rail mount
ENVIRONMENTAL	
Operating temperature range	-20 - +60 °C
Humidity	5 - 95 %
APPROVALS	
CE	Yes
FCC	Class A
UL/cUL	Yes

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