



Industrial PC, Fanless, CPU Type: Intel Atom x7-E3950 Processor, CPU frequency: 1.6 GHz, 4 CPU cores, L2 Cache: 2 MB, frequency: 1866 MHz

GENERAL DATA	
Type	Industrial PC
Series	Arrakis
Power button	Yes
Reset button	No
Cooling	Fanless
TPM module	Yes (2.0)
CPU	
CPU type	Intel® Atom™ x7-E3950 Processor
CPU generation	Apollo Lake
CPU family	Intel® Atom™
CPU socket	Soldered
CPU frequency	1.6 GHz
CPU frequency max.	2.0 GHz
CPU cores	4
L2 cache	2 MB
Hyperthreading	No
Embedded	Yes
MEMORY / RAM	
Socket type	SO-DIMM
Number of slots	1
Storage type	DDR3L
ECC	No
Frequency	1866 MHz
Voltage	1.35 V
Capacity	2 up to 8 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® HD Graphics 505
Graphic memory	Shared
Direct X Level	Level 12
OpenGL	4.3
HDMI	1
Display Port	1
Amount simultaneous displays	2
Resolution max.	4096 x 2160 @ 60 Hz
ADDITIONAL INTERFACES	
RS-232/422/485	2, BIOS switchable (+2 optional bottom side)
CAN-Bus	1 or 2 channel CAN2.0B or J1939 optional**
USB 3.0	4
Line-in	1
Line-out	1
Digital Input	up to 16 optional, 8 per DB9**
Digital Output	up to 16 optional, 8 per DB9**
Digital Input/Output	4DI/4DO, 2x as relay, optional
Other	2x SIM Card Slot
EXPANSION SLOTS	
mPCIe Full Size	3
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 / Steel
Housing color	Silver
Ingress protection	IP20
Dimensions (W x H x D)	64 x 140 x 92 mm
Weight	500 g
Mounting	DIN rail mount
ENVIRONMENTAL	
Operating temperature range	-20 - +70 °C
Humidity	5 - 95 %

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APPROVALS	
CE	Yes
FCC	Class A
RoHS	Yes
Microsoft Azure Certified for IoT	Yes

**replaces COM Port DB9 if more than two optional DB9s are used.

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