

Industrial PC X7-3950 QC

Datasheet

- Intel® Atom™ x7-E3950/x5-E3940/x5-E3930 & Pentium® N4200 / Celeron® N3350 Series Processors
- GPIO 4-in & 4-out with isolation function
- Over/Under/Reverse voltage protection
- Wide-range operating temperature from -40°C to 70°C
- 9V~36V DC wide-range power input
- Supports TPM2.0 (AGS102T Only)
- Supports DIN-rail mount & wall mount
- AGS102T: 4x RS232/422/485 serial ports; AGS102: 2x RS232/422/485 and 2x RS232 serial ports
- DDR3L RAM (max. 8GB)
- M.2 B3042 SSD (max. 512 GB)
- Rugged and fanless design



System

CPU	Intel® Atom™ X7-E3950 QC
Memory	4 GB DDR3L
Storage	64 GB 3D TLC SSD

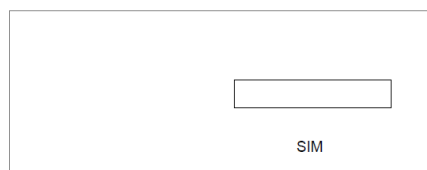
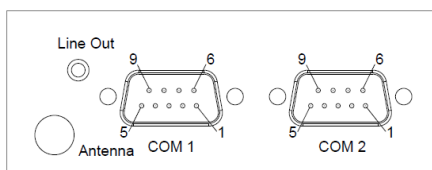
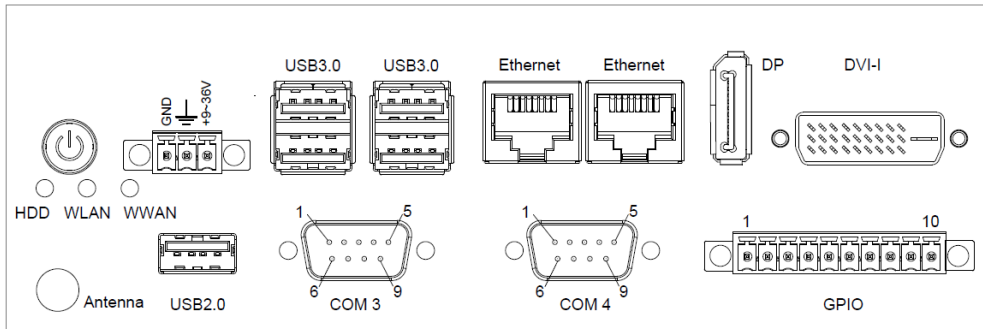
Interfaces

USB	4 x USB Host 3.0 (Type A) 1 x USB Host 2.0 (Type A)
Ethernet	2 x 1 Gbit Ethernet (RJ45)
Communication	4 x RS-232 / RS-485 / RS-422 (Sub-D) (BIOS Setting)
Video	1 x DVI-I 1 x Display Port
Digital I/O	4 x Input GPIO with isolation 4 x Output GPIO with isolation
Sound	1 x Line-out
Antenna	2 x Antenna hole for WLAN module
SIM	1 x SIM card slot
LED	3 x LED (HDD, WLAN, WWAN)

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INTERFACES



COM Connector Pinning

PIN	RS-232	RS-422	RS-485
1	DCD	TX-	DATA-
2	RX	TX+	DATA+
3	TX	RX+	NC
4	DTR	RX-	NC
5	Ground	Ground	Ground
6	DSR	NC	NC
7	RTS	NC	NC
8	CTS	NC	NC
9	RI	NC	NC

GPIO Connector Pinning

PIN	Signal
1	+5 V
2	IN0
3	IN1
4	IN3
5	IN4
6	OUT0
7	OUT1
8	OUT2
9	OUT3
10	Ground

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Power Supply

Supply Voltage	9 - 36 VDC
Power Consumption (max*)	up to 30 W
Power Button	Yes
Power Connector	Phoenix 3-pol MC 1,5/ 3-STF-3,5 BK (screwable)
Fuse	10 A, time lag, non-exchangeable, Type: Littelfuse

*max. periphery consumption included (e.g. 1 x USB 2.0 equals 2.5 W)

Mechanical & Environmental

Housing	Aluminium / Silver
Dimensions	160 x 110 x 44 [mm]
Weight	max. 1 kg
Cooling	Passive
Operating Temperature	-40 ~ 70 °C
Storage Temperature	-20 ~ 80 °C
Humidity	5 ~ 90 % @ 60 °C (non condensing)
Protection Class	IP40
Vibration	Operating: 3 Grms / 5 ~ 500 Hz
Shock	Operating: 20 G / 11 ms Non-operating: 40 G / 11 ms
Certification	CE, EN55032 Class A, FCC ClassA

Never cover the Industrial PC X7-3950 QC completely or build it in a small closed and unvented housing.

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Ordering Information

Ordering-No.	
PA10008156	Industrial PC X7-3950 QC

Disclaimer

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