

# Industrial PC i7 8700T

## Datasheet

- 9th/8th Gen Intel® Celeron® / Pentium® & Core™ i3/i5/i7 Desktop Processors
- Dual SIM slots supports WWAN redundancy
- 4x RJ45 Gigabit Ethernet port (2x Supports 802.3at PoE+)
- 3x M.2 (B-Key/E-Key/M-Key; max. 512 GB)
- Supports Over/Under/Reverse voltage protection
- iSMART, iAMT (11.6), TPM (2.0)
- Flexible expansion slot system
- 2x 2.5" storage (Supports RAID 0/1)
- DDR4 RAM (max. 32 GB)



## System

<b>CPU</b>	Intel® Core™ i7-8700T
<b>Memory</b>	8 GB DDR4
<b>Storage</b>	64 GB MLC SSD

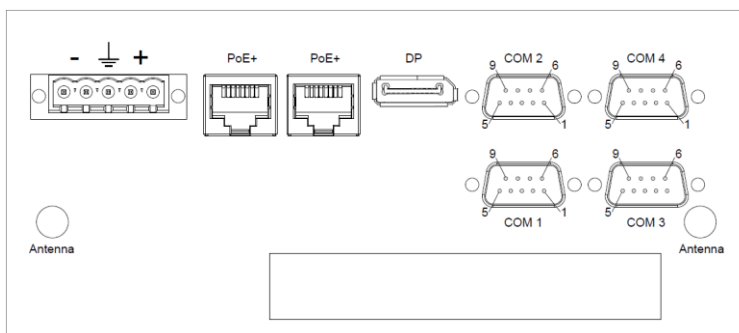
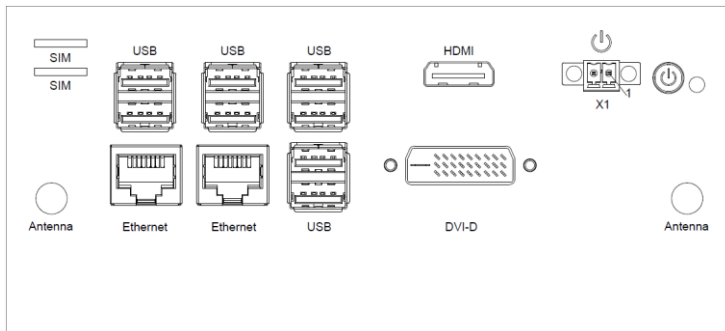
## Interfaces

<b>USB</b>	8 x USB Host 3.1 (Type A)
<b>Ethernet</b>	2 x 1 Gbit Ethernet (RJ45) 2 x 1 Gbit Ethernet (RJ45 with PoE Injection 802.3at)
<b>Communication</b>	2 x RS-232 / RS-485 / RS-422 (Sub-D) (BIOS setting) (COM1, COM2) 2 x RS-232 (Sub-D) (COM3, COM4)
<b>Video</b>	1 x DVI-D 1 x HDMI 1 x Display Port 1.2
<b>Extension Connector</b>	1 x Expansion Slot
<b>Antenna</b>	4 x Antenna holes
<b>SIM</b>	2 x SIM card slot
<b>LED</b>	1 x HDD LED red
<b>X1</b>	1 x DINKLE EC350VM-XXP

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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

#### X1 Connector Pinning

PIN	Signal
1	Power Button
2	Ground

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### Power Supply

<b>Supply Voltage</b>	18 - 24 VDC $\pm$ 10 %
<b>Power Consumption (max*)</b>	up to 35 W
<b>Power Button</b>	Yes
<b>Power Connector</b>	DINKLE 5ESDVM-XXP
<b>Fuse</b>	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

<b>Housing</b>	Aluminium / Silver
<b>Dimensions</b>	285 x 210 x 109 [mm]
<b>Weight</b>	max. 4.5 kg
<b>Cooling</b>	Passive
<b>Operating Temperature</b>	-20 ~ 70 °C
<b>Storage Temperature</b>	-20 ~ 80 °C
<b>Humidity</b>	5 ~ 90 % @ 60 °C (non condensing)
<b>Protection Class</b>	IP40
<b>Vibration</b>	Operating: 3 Grms / 5 ~ 500 Hz
<b>Shock</b>	Operating: 20 G / 11 ms Non-operating: 40 G / 11 ms
<b>Certification</b>	CE, EN55032 Class A, FCC ClassA

Never cover the Industrial PC i7 8700T completely or build it in a small closed and unvented housing.

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### Ordering Information

Ordering-No.	
PA10008151	Industrial PC i7 8700T

### Disclaimer

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