

Industrial PC i7 8700T

Datasheet

- Intel® Core™ i7 Processor
- 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)
- Dual SIM slots supports WWAN redundancy



System

CPU	Intel® Core™ i7-8700T, 2.4 GHz / 4.0 GHz (35 W TDP), 6 Cores, 12 Threads
Memory	8 GB DDR4
Storage	64 GB MLC SSD

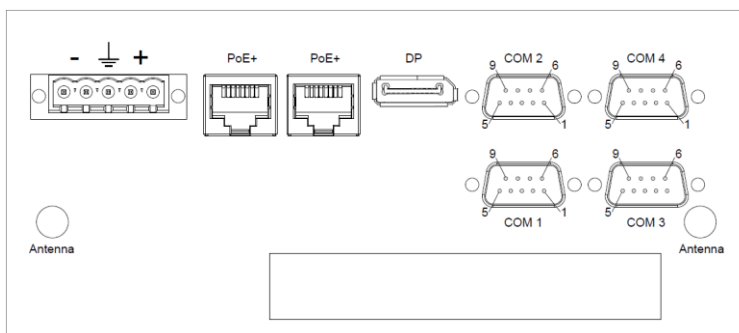
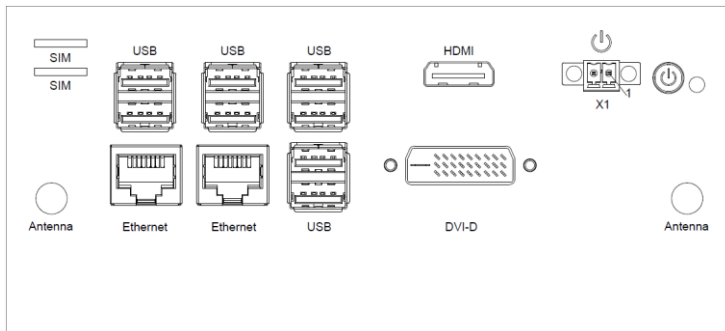
Interfaces

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

Industrial PC i7 8700T

Datasheet

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

Industrial PC i7 8700T

Datasheet

Power Supply

Supply Voltage	18 - 24 VDC \pm 10 %
Power Consumption (max*)	up to 170 W
Power Button	Yes
Remote Power Button	Yes
Power Connector	DINKLE 5ESDVM-XXP
Fuse	10 A, time lag, non-exchangeable

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

Mechanical & Environmental

Housing	Aluminium / Silver
Dimensions	285 x 210 x 109 [mm]
Mounting	Desktop and wall mount
Weight	max. 4.5 kg
Cooling	Passive
Operating Temperature	-20 ~ 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 i7 8700T completely on the back or build it in a small closed and unvented housing.

Detailed size information can be found in the technical drawing under the following link:

[Technical drawing Industrial PC](#)

Industrial PC i7 8700T

Datasheet

Ordering Information

Ordering-No.	
PA10008151	Industrial PC i7 8700T

Disclaimer

Christ Electronic Systems GmbH reserves the right to change the information, designs and technical data contained in this documentation without prior notice, as the products are subject to constant further development. No guarantee is given that the data is complete, up-to-date and correct. In this document, all brand names as well as software and hardware designations used are subject to the respective companies, general trademark, brand or patent protection.

Contact

Christ Electronic Systems GmbH
Alpenstraße 34
87700 Memmingen

Phone:
+49 8331 8371-0 (Main Office)
+49 8331 8371-500 (Service)

Mail:
info@christ-es.de

Homepage:
<https://www.christ-es.com>

© Christ Electronic Systems GmbH