

Datenblatt und Bestelldaten für AIT VisionHub XXL001

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1. Technische Daten1

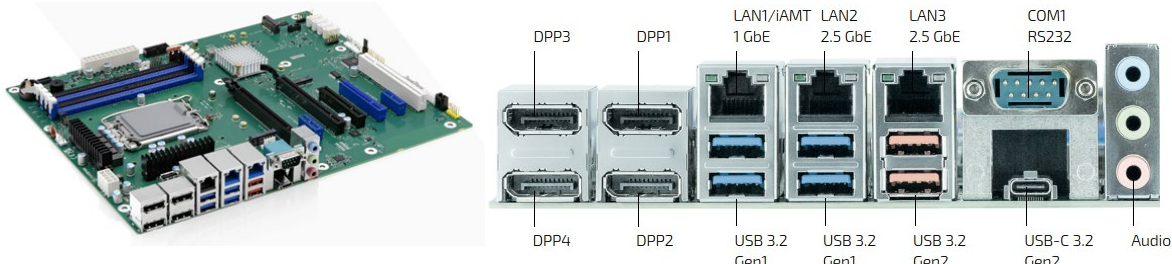
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1 Technische Daten

Produktbild



Schnittstellen



Technische Daten		
SYSTEM	Prozessor	14th Generation PRO Intel Core i7-14700K S1700 bis 5.6GHz 20C/28T/33MB
	Chipsatz	Intel® R680E Chipset
	Speicher	4x RAM DDR5 32GB 5600MHz PC5-44800 288pin Samsung
	BIOS	AMI Aptio 5.x (UEFI) BIOS modified and adapted by Kontron
	Laufwerke	1 x SSD SATA 512GB Transcend TS512GSSD420 2.5" 1 x SSD SATA 7.68TB Intel D3-S4520 2.5" Enterprise SSD 1x GEH Chenbro Wechselrahmen 2*2.5" HDD in 3.5" bay
	Motherboard	Kontron K3851-R ATX S1700 DDR5 R680E 24/7 Industrial, Operating Mode 24-7
GRAFIK	Controller	Intel® UHD Graphics 7xx driven by Xe Architecture Onboard Optional VGA PCI-E 16GB NVIDIA QUADRO RTX A4000
	Features	DirectX 12 (12_1), OpenGL 4.6, OpenCL 3.0, Vulkan 1.3 Shader Model 6.6
	Anzeige	4 x DPP V1.4a up to 8k60 Maximale Auflösung 7.680 x 4.320@ 60 Hz
ERWEITERUNG	Schnittstellen	
	SATA M.2 PCIe/NVME M.2 Wireless PCIe/PCI Slots GPIO	4x Serial ATA III 600 Interface (up to 6Gbit/s), NCQ, AHCI, RAID 0/1/5/10 2x M.2 2230/2242/2280 (Key-M, PCIe/NVME SSD modules), incl. NVME RAID support 1x M.2 2230 (Key-E, WLAN/Bluetooth modules, incl. CNVi support) PCIe x16: 1x 16 lanes, Gen5* / 1x 4 lanes, Gen4 PCIe x8: 1x 4 lanes, Gen4 ("open slot") / 1x 4 lanes, Gen3 ("closed slot") PCIe x1: 2x Gen3 ("open slots") PCI: 1x 32Bit slot 8 Bit GPIO (Input/Output); WLAN LED support, WLAN enable/disable support 3.3 V/5 V/12 V supply voltage output; SMBus controller PCA9554A
AUDIO	Audio Codec Audio Interface	Tempo Semiconductor 92HD91B 5.1- channel*, High Definition Audio Codec
ETHERNET	Ethernet 1	1 x Intel® i219LM with 10/100/1000 MBit/s, iAMT features, Wake-on-LAN (WoL) by interesting Packets, Link Status Change and Magic Packet™, PXE Support, BIOS MAC Address Display, Teaming Support 1 x Intel®
	Ethernet 2/ 3	2 x Intel® i226LM **** with 10/100/1000/2500 MBit/s, TSN Support, Wake-on-LAN (WoL) by interesting Packets, Link Status Change and Magic Packet™, PXE Support, BIOS MAC Address Display, Teaming Support ****) Updated LAN controller i225LM to i226LM with K3851-R12 Rev. 0106, K3851-R23 or newer
I/O RÜCKSEITE	Network	3 x GbE (RJ-45)
	USB	2 x USB 3.1 Gen2 (rear I/O, Type-A) 4x USB 3.2 Gen1 (rear I/O, Type-A) 1x USB 3.2 Gen 2 (rear I/O, Type-C with locking option)
	Seriell	1 x RS-232/422/485 (RS-232 w/ power) (DB-9)
	Anzeige	4 x DPP V1.4a up to 4K
	Audio	1 x Line-out, 1 x Line-in, 1 x Mic-in

I/O INNENSEITE	Seriell	3x RS232 (by header)** **) Internal ports (COM3/COM4)																		
	USB	2x USB 3.2 Gen1 (by header) 2x USB 2.0 (by header) 1x USB 3.2 Gen2 (internal Type-A stick socket) 1x USB 2.0 (internal Type-A stick socket)																		
	Audio	1 x Front Audio Header																		
	SATA	4x Serial ATA III 600 Interface (up to 6GBit/s), NCQ, AHCI, RAID 0/1/5/10																		
	DIO	1 x 8-bit DIO																		
FIRMWARE	BIOS	Recovery BIOS, SMBIOS (DMI), BIOS and CPU Microcode Update, Quick Boot, Logo Boot, Quiet Boot, Plug & Play, Automatic DRAM and PCIe Configuration, BIOS Support for S.M.A.R.T., Advanced Power Management, ACPI S3/S4, Wake on time from S5. No legacy OS support, no MBR installation (UEFI only)																		
	Watchdog	BIOS POST-/BIOS BOOT-/OS-HW Watchdog																		
	Real Time Clock	Integrated																		
	TPM	TPM V2.0 (Intel® integrated); socket for optional TPM module																		
LEISTUNG	Typ	ATX 9.6“ x 12“ (243.8 x 304.8 mm)																		
	Anschluss	8-pin ATX 12 V power 24-pin ATX power																		
	RTC-Batterie	CR2032 Coin Cell																		
BETRIEBSSYSTEM		Windows 11 IoT Enterprise 64-bit																		
MECHANISCHE DATEN	Breite x Höhe x Tiefe	430.0 x 176.0 x 465.2 mm																		
	Gewicht	15 kg																		
	Maße Motherboard	243.8 x 304.8 mm, ATX Form Factor																		
ELEKTRISCHE DATEN	AC Eingangsspannung	100 V - 240 V, 50 Hz - 60 Hz, 10 - 5 A																		
	Leistung	DC-Ausgang <table><tr><td>Schiene</td><td>+3.3 V</td><td>+5 V</td><td>+12 V</td><td>-12 V</td><td>+5 VSB</td></tr><tr><td>Maximale Leistung</td><td>20 A</td><td>20 A</td><td>62 A</td><td>0.3 A</td><td>3 A</td></tr><tr><td></td><td>66 W</td><td>100 W</td><td>744 W</td><td>3.6 W</td><td>15 W</td></tr></table> Gesamtdauerleistung 750 W	Schiene	+3.3 V	+5 V	+12 V	-12 V	+5 VSB	Maximale Leistung	20 A	20 A	62 A	0.3 A	3 A		66 W	100 W	744 W	3.6 W	15 W
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Elektrische Sicherheit gemäß	Sicherheit und EMV cTUVus, TUV, CB, CCC, BSMI, EAC, CE Einhaltung der Umweltvorschriften Energy Star, RoHS, WEEE, ErP Los 6, REACH																			
DAUERSCHALLDRUCK-PEGEL		A-bewerteter äquivalenter Dauerschalldruckpegel an allen Bereichen < 70 dB(A)																		
GRENZWERTE DER UMGEBUNG	Relative Luftfeuchtigkeit	10 % ... 90 %, Betrieb nur im nicht betauten Zustand																		
	Umgebungstemperatur der Luft	0 °C ... 60 °C																		
	Höhenlage	Max. 1000 m über NN																		

2 Maßzeichnung

