

Selection Guide

KI-Automotive Box-PC

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Selection Guide KI-Automotive Box-PC



Railway-AI Box-PC 8110-A



**Advanced Telematics Computer 8110
(Fanless)**



**Advanced Telematics Computer 8110-F
(Fan Kit)**

Cooling System	Smart fan design	Fanless	Smart fan kit (installed)
Mounting System	Wall Mount	Wall Mount, DIN Rail	Wall Mount, DIN Rail
CPU	Intel® Coffee-Lake S/Refresh Xeon® / Core i7 / i5 / i3 processor (LGA1151); Optional (by request): Intel® Pentium® / Celeron® processor	Intel® Coffee-Lake S/Refresh Xeon® / Core i7 / i5 / i3 (LGA1151); Optional: Intel® Pentium® / Celeron®	Intel® Coffee-Lake S/Refresh Xeon® / Core i7 / i5 / i3 CPU
CPU Socket	-	-	-
Chipset	Intel® chipset C246	Intel® chipset C246	Intel® chipset C246
BIOS	-	-	-
Watchdog Timer	-	-	-
Controller	-	-	-
Basic Equipment	-	-	-
Maximum Equipment	64GB for two channels	64G (for two channels)	64G (for two channels)
DRAM	-	-	-
SDRAM	-	-	-
DIMM / MemorySocket	Dual-Channel 260-pin DDR4 SO-DIMM	Dual-Channel 260-pin DDR4 SO-DIMM	Dual-Channel 260-pin DDR4 SO-DIMM
Compact Flash	-	-	-
SD	-	-	-
HDD	-	-	-
HD SATA	4x 2.5" SATA 3.0 SSD/HDD	3x 2.5" SATA 3.0 SSD / HDD (15 mm height) or 2x 2.5" SATA 3.0 SSD / HDD + 1x u.2 NVMe SSD	3x 2.5" SATA 3.0 SSD / HDD (15 mm height) or 2x 2.5" SATA 3.0 SSD / HDD + 1x u.2 NVMe SSD
Removeable Storage	1x CFast	-	-
Graphic Interface	Optional up to NVIDIA® RTX 3090, 450W or more advanced in the future Graphics Adapter, 1x VGA/CRT, 1x HDMI	Optional Graphics Card up to NVIDIA® RTX 2080Ti Graphics Adapter, 1x VGA/CRT, 1x HDMI	Optional Graphics Card up to NVIDIA® RTX 2080Ti Graphics Adapter, 1x VGA/CRT, 1x HDMI
Interface COM	4x RS232/RS422/RS485	4x RS232/RS422/RS485	4x RS232/RS422/RS485
CAN	1x	1x	1x
Galvanic Isolation	-	x	x
Interface USB	2x USB 3.0	1x USB 2.0, 5x USB 3.0	1x USB 2.0, 5x USB 3.0
Interface IEEE1394	-	-	-
Interface LAN	2x 10/100/1000 BASE-T, 4x optional PoE	2x RJ45 10/100/1000 BASE-T, 4/8-port independent GbE/ PoE PCIe card, w/ 802.3af/at, RJ45 or M12 (optional) PoE	2x RJ45 10/100/1000 BASE-T, 4/8-port independent GbE/ PoE PCIe card, w/ 802.3af/at, RJ45 or M12 (optional) PoE
Interface IO	GPIO, 4x Digital Input, 4x Digital Output	GPIO, 4x Digital Input, 4x Digital Output	GPIO, 4x Digital Input, 4x Digital Output
Mini PCIe	2x	2x	2x
Mini PCI	-	-	-
Camera	-	-	-
Video Input	-	-	-
Resolution	-	-	-
Encoding	-	-	-
Decoding/Playback	-	-	-
Bluetooth	-	-	-
eSATA	-	-	-
Audio	1x D-Sub HD9 for 1x Mic-in + 2x Line-out	1x Mic-in, 1x Line-out	1x Mic-in, 1x Line-out
Headphone	-	-	-
SIM Card	2x SIM card sockets	2x SIM socket	2x SIM socket
GPS	1x u-blox NEO-M8N GNSS module	1x U-blox NEO-M8N GPS module	1x U-blox NEO-M8N GPS module
Mobile Communication 2G	-	-	-
Mobile Communication 3G	-	-	-
PCI	-	-	-
PCIe	4x	3x	3x
PCI/104	-	-	-
Operating System	-	-	-
Operating System Support	WINDOWS 10 / LINUX	Windows 10 (64-bits), Linux, YOCTO (by request)	Windows 10 (64-bits), Linux, YOCTO (by request)
Input Voltage Nominal	24VDC / 36VDC	-	-
Input Voltage Min/Max	-	9 to 36VDC	9 to 36VDC
Output Voltage Nominal	-	-	-
Output Voltage Min/Max	-	-	-
Input Current	-	-	-
Input Power	-	-	-
Battery	-	-	-
Operating Temperature	-40°C to 70°C	-30°C to 60°C	-30°C to 60°C
Extended Operating Temperature	-	-	-
Storage Temperature	-40°C to 85°C	-40°C to 85°C	-40°C to 85°C
Relative Humidity	10% to 90% (non-condensing)	10% to 90% (non-condensing)	10% to 90% (non-condensing)
Protection	Vibration & Shock	Vibration & Shock	Vibration & Shock
Certification	CE, EN50155 (Railway), Class A FCC	CE, e13 (Vehicle), Class A FCC	CE, e13 (Vehicle), Class A FCC
Dimensions	215 x 205 x 385 mm (W x D x H)	191,2 x 176 x 350 mm (W x D x H)	207,4 x 176 x 350 mm (W x D x H)
Weight	10,5 kg	8 Kg (w/o graphics / PCIe card)	8,2 Kg (w/o graphics / PCIe card)
Material	-	-	-
Typ. Application	Automotive, Railway	Industrial, Automotive, Railway	Industrial, Automotive, Railway

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Railway-AI Box-PC 8110-A



Advanced Telematics Computer 8110 (Fanless)



Advanced Telematics Computer 8110-F (Fan Kit)

Bestellinformation			
Artikel-Nr. PKBX5680 Railway-AI Box-PC 8110-A, Barebone System, 1x VGA, 1x HDMI, 2x GbE M12, fan kit	Artikel-Nr. PKBX5910 Advanced Telematics Computer 8110, Barebone System, 1x VGA, 1x HDMI, 2x PoE, fanless	Artikel-Nr. PKBX5910-1 Advanced Telematics Computer 8110-F, Barebone System, 1x VGA, 1x HDMI, 2x PoE, fan kit	
Artikel-Nr. PKBX5681 Railway-AI Box-PC 8110-A, Intel Xeon E-2278GE 4.7GHz 8-core, 1x VGA, 1x HDMI, 2x GbE M12, up to 64GB DDR4, fan kit	Artikel-Nr. PKBX5911 ATC 8110, Intel® Xeon® E-2278GE 4.7GHz 8-core, 1x VGA, 1x HDMI, 2x PoE, up to 64GB DDR4, fanless	Artikel-Nr. PKBX5911-1 ATC 8110-F, Intel® Xeon® E-2278GE 4.7GHz 8-core, 1x VGA, 1x HDMI, 2x PoE, up to 64GB DDR4, fan kit	
Artikel-Nr. PKBX5682 Railway-AI Box-PC 8110-A, Intel Xeon E-2278GEL 3.9GHz 8-core, 1x VGA, 1x HDMI, 2x GbE M12, up to 64GB DDR4, fan kit	Artikel-Nr. PKBX5912 ATC 8110, Intel® Core i7-9700E 4.4GHz 8-core, 1x VGA, 1x HDMI, 2x PoE, up to 64GB DDR4, fanless	Artikel-Nr. PKBX5912-1 ATC 8110-F, Intel® Core i7-9700E 4.4GHz 8-core, 1x VGA, 1x HDMI, 2x PoE, up to 64GB DDR4, fan kit	
Artikel-Nr. PKBX5683 Railway-AI Box-PC 8110-A, Intel Core i7-9700E 4.4GHz 8-core, 1x VGA, 1x HDMI, 2x GbE M12, up to 64GB DDR4, fan kit	Artikel-Nr. PKBX5913 ATC 8110, Intel® Core i7-9700TE 3.8GHz 8-core, 1x VGA, 1x HDMI, 2x PoE, up to 64GB DDR4, fanless	Artikel-Nr. PKBX5913-1 ATC 8110-F, Intel® Core i7-9700TE 3.8GHz 8-core, 1x VGA, 1x HDMI, 2x PoE, up to 64GB DDR4, fan kit	
Artikel-Nr. PKBX5684 Railway-AI Box-PC 8110-A, Intel Core i7-9700TE 3.8GHz 8-core, 1x VGA, 1x HDMI, 2x GbE M12, up to 64GB DDR4, fan kit	Artikel-Nr. PKBX5914 ATC 8110, Intel® Core i7-8700T 4.0GHz 6-core, 1x VGA, 1x HDMI, 2x PoE, up to 64GB DDR4, fanless	Artikel-Nr. PKBX5914-1 ATC 8110-F, Intel® Core i7-8700T 4.0GHz 6-core, 1x VGA, 1x HDMI, 2x PoE, up to 64GB DDR4, fan kit	
Artikel-Nr. PKBX5685 Railway-AI Box-PC 8110-A, Intel Core i7-8700T 4.0GHz 6-core, 1x VGA, 1x HDMI, 2x GbE M12, up to 64GB DDR4, fan kit	Artikel-Nr. PKBX5915 ATC 8110, Intel® Core i5-9500E 4.2GHz 6-core, 1x VGA, 1x HDMI, 2x PoE, up to 64GB DDR4, fanless	Artikel-Nr. PKBX5915-1 ATC 8110-F, Intel® Core i5-9500E 4.2GHz 6-core, 1x VGA, 1x HDMI, 2x PoE, up to 64GB DDR4, fan kit	
Artikel-Nr. PKBX5686 Railway-AI Box-PC 8110-A, Intel Core i5-9500E 4.2GHz 6-core, 1x VGA, 1x HDMI, 2x GbE M12, up to 64GB DDR4, fan kit	Artikel-Nr. PKBX5916 ATC 8110, Intel® Core i5-9500TE 3.6GHz 6-core, 1x VGA, 1x HDMI, 2x PoE, up to 64GB DDR4, fanless	Artikel-Nr. PKBX5916-1 ATC 8110-F, Intel® Core i5-9500TE 3.6GHz 6-core, 1x VGA, 1x HDMI, 2x PoE, up to 64GB DDR4, fan kit	
Artikel-Nr. PKBX5687 Railway-AI Box-PC 8110-A, Intel Core i5-9500TE 3.6GHz 6-core, 1x VGA, 1x HDMI, 2x GbE M12, up to 64GB DDR4, fan kit	Artikel-Nr. PKBX5917 ATC 8110, Intel® Core i3-9100E 3.7GHz 4-core, 1x VGA, 1x HDMI, 2x PoE, up to 64GB DDR4, fanless	Artikel-Nr. PKBX5917-1 ATC 8110-F, Intel® Core i3-9100E 3.7GHz 4-core, 1x VGA, 1x HDMI, 2x PoE, up to 64GB DDR4, fan kit	
Artikel-Nr. PKBX5688 Railway-AI Box-PC 8110-A, Intel Core i3-9100E 3.7GHz 4-core, 1x VGA, 1x HDMI, 2x GbE M12, up to 64GB DDR4, fan kit	Artikel-Nr. PKBX5918 ATC 8110, Intel® Core i3-9100TE 3.2GHz 4-core, 1x VGA, 1x HDMI, 2x PoE, up to 64GB DDR4, fanless	Artikel-Nr. PKBX5918-1 ATC 8110-F, Intel® Core i3-9100TE 3.2GHz 4-core, 1x VGA, 1x HDMI, 2x PoE, up to 64GB DDR4, fan kit	
Artikel-Nr. PKBX5689 Railway-AI Box-PC 8110-A, Intel Core i3-9100TE 3.2GHz 4-core, 1x VGA, 1x HDMI, 2x GbE M12, up to 64GB DDR4, fan kit	Artikel-Nr. PKBX5919 ATC 8110, Intel® Xeon® E-2278GEL 3.9GHz 8-core, 1x VGA, 1x HDMI, 2x PoE, up to 64GB DDR4, fanless	Artikel-Nr. PKBX5919-1 ATC 8110-F, Intel® Xeon® E-2278GEL 3.9GHz 8-core, 1x VGA, 1x HDMI, 2x PoE, up to 64GB DDR4, fan kit	
Artikel-Nr. PKBO3502 GigE/GbE PCIe 3.0 x4 Expansion card w/ 4x M12 PoE+, M12 X-coded PoE+ 60W, -40°C to 85°C			

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Railway-AI 19" RACK-SERVER Type 2

Advanced Telematics Computer
3750-A6CRAdvanced Telematics Computer
3750-6C

Cooling System	Fanless	Cooling System	Fanless	Cooling System	Fanless
Mounting System	Wall Mount, Rackmount	Mounting System	Wall Mount	Mounting System	Wall Mount
CPU	9th / 8th Gen Intel® Coffee Lake S / Refresh Core/Xeon® LGA1151 socket type processor support	CPU	NVIDIA® Jetson AGX Orin™ SOM, up to 200/275 TOPS (INT8)	CPU	NVIDIA® Jetson AGX Orin™ SOM, up to 200/275 TOPS (INT8)
CPU Socket	-	CPU Socket	NVIDIA® JetPack 5.1.1	CPU Socket	NVIDIA® JetPack 5.0.2
Chipset	Intel® C246 platform controller hub	Chipset	-	Chipset	-
BIOS	-	BIOS	-	BIOS	-
Watchdog Timer	-	Watchdog Timer	-	Watchdog Timer	Through MCU
Controller	-	Controller	-	Controller	-
Basic Equipment	-	Basic Equipment	32/64GB	Basic Equipment	32/64GB
Maximum Equipment	32GB/channel (128GB for four channels)	Maximum Equipment	-	Maximum Equipment	-
DRAM	-	DRAM	-	DRAM	-
SDRAM	-	SDRAM	-	SDRAM	-
DIMM / MemorySocket	4x DDR4 SO-DIMM	DIMM / MemorySocket	256-bit LPDDR5, 204.8 GB/s	DIMM / MemorySocket	256-bit LPDDR5, 204.8 GB/s
Compact Flash	-	Compact Flash	-	Compact Flash	-
SD	1x	SD	1 x Accessible SD card (SDXC-I/ UHS-I, SD3.0) 1 x M.2 2280 Key M (PCIe4.0 x4), NVMe SSD	SD	1 x Accessible SD card (SDXC-I/ UHS-I, SD3.0) 1 x M.2 2280 Key M (PCIe4.0 x4), NVMe SSD
HDD	-	HDD	-	HDD	-
HD SATA	1x mSATA	HD SATA	64GB eMMC 5.1 flash storage, 200 MHz	HD SATA	64GB eMMC 5.1 flash storage, 200 MHz
Removeable Storage	6x 2.5" SATA 3.0 external SSD	Removeable Storage	-	Removeable Storage	-
Graphic Interface	NVIDIA® GEFORCE® GTX 1650 SP 1280 CUDA 4GB GDDR6; Chipset Intel® UHD Graphics 630 Graphics Adapter, 1x VGA/CRT, 1x HDMI	Graphic Interface	1x HDMI	Graphic Interface	1x HDMI
Interface COM	2x RS232 (w/ isolation), 2x RS232/422/485 (w/ isolation)	Interface COM	2x RS232	Interface COM	2x RS232
CAN	1x	CAN	2 x CAN 2.0A/2.0B	CAN	2 x CAN 2.0A/2.0B
Galvanic Isolation	x	Galvanic Isolation	x	Galvanic Isolation	x
Interface USB	4x USB 3.0	Interface USB	1x OTG micro USB USB, 2 x USB 3.2 Typ A USB 3.0	Interface USB	1x OTG micro USB USB, 2 x USB 3.2 Gen 2 USB 3.0
Interface IEEE1394	-	Interface IEEE1394	-	Interface IEEE1394	-
Interface LAN	2x 10/100/1000 BASE-T, (optional) PoE	Interface LAN	10/100/1000 BASE-T, 10GbE, RJ45 (optional) 2,5G - 5G BASE-T, 2 x RP-SMA for Wi-Fi WLAN, 6-port GbE, RJ45 connector PoE	Interface LAN	10/100/1000 BASE-T, 10GbE, RJ45 (optional) 2,5G - 5G BASE-T, 2 x RP-SMA for Wi-Fi WLAN, 6-port GbE, RJ45 connector PoE
Interface IO	GPIO, 4x Digital Input, 4x Digital Output	Interface IO	GPIO, 4x Digital Input, 4x Digital Output	Interface IO	GPIO, 4x Digital Input, 4x Digital Output
Mini PCIe	3x	Mini PCIe	1x	Mini PCIe	1x
Mini PCI	-	Mini PCI	-	Mini PCI	-
Camera	-	Camera	6-port GbE PoE+ (X-coded) for IP CAM/LiDAR sensors, optional 1-port 10GbE (X-coded)	Camera	6-port GbE PoE+ (X-coded) for IP CAM/LiDAR sensors, optional 1-port 10GbE (X-coded)
Video Input	-	Video Input	-	Video Input	-
Resolution	-	Resolution	-	Resolution	-
Encoding	-	Encoding	-	Encoding	-
Decoding/Playback	-	Decoding/Playback	-	Decoding/Playback	-
Bluetooth	-	Bluetooth	-	Bluetooth	-
eSATA	-	eSATA	-	eSATA	-
Audio	1x Mic-in, 2x Line-out	Audio	-	Audio	-
Headphone	-	Headphone	-	Headphone	-
SIM Card	8x externally SIM card sockets	SIM Card	2x Micro SIM slots	SIM Card	2x Micro SIM slots
GPS	1x u-blox NEO-M8N GNSS module	GPS	1x U-blox NEO-M8N GPS module	GPS	1x U-blox NEO-M8N GPS module
Mobile Communication 2G	-	Mobile Communication 2G	-	Mobile Communication 2G	-
Mobile Communication 3G	-	Mobile Communication 3G	-	Mobile Communication 3G	-
PCI	-	PCI	-	PCI	-
PCIe	-	PCIe	-	PCIe	-
PCI/104	-	PCI/104	-	PCI/104	-
Operating System	-	Operating System	-	Operating System	-
Operating System Support	WINDOWS 10, LINUX	Operating System Support	Linux (NAL) w/ Jetpack 5.0.2 integrated, Ubuntu 20.04 (L4T 35.1, Linux Kernel 5.10)	Operating System Support	Linux (NAL) w/ Jetpack 5.0.2 integrated, Ubuntu 20.04 (L4T 35.1, Linux Kernel 5.10)
Input Voltage Nominal	24/110VDC with 2.5KVDC isolation	Input Voltage Nominal	-	Input Voltage Nominal	-
Input Voltage Min/Max	-	Input Voltage Min/Max	24VDC	Input Voltage Min/Max	9 to 36VDC
Output Voltage Nominal	-	Output Voltage Nominal	-	Output Voltage Nominal	-
Output Voltage Min/Max	-	Output Voltage Min/Max	-	Output Voltage Min/Max	-
Input Current	-	Input Current	-	Input Current	-
Input Power	-	Input Power	-	Input Power	-
Battery	-	Battery	-	Battery	-
Operating Temperature	-40°C to 70°C	Operating Temperature	-25°C to 70°C	Operating Temperature	-25°C to 70°C
Extended Operating Temperature	-	Extended Operating Temperature	-	Extended Operating Temperature	-
Storage Temperature	-40°C to 80°C	Storage Temperature	-40°C to 85°C	Storage Temperature	-40°C to 85°C
Relative Humidity	90% (non-condensing)	Relative Humidity	10%–95% (non-condensing)	Relative Humidity	10%–95% (non-condensing)
Protection	Vibration & Shock	Protection	Vibration & Shock	Protection	Vibration & Shock
Certification	CE, EN50155 (Railway), Class A FCC	Certification	CE, e13 (Vehicle), Class A FCC	Certification	CE, e13 (Vehicle), Class A FCC
Dimensions	483 x 400 x 95 mm (W x D x H)	Dimensions	234mm x 172,8mm x 80,5mm (W x D x H)	Dimensions	234mm x 172,8mm x 80,5mm (W x D x H)
Weight	8,5 kg	Weight	3,5 kg	Weight	3,5 kg
Material	-	Material	-	Material	-
Typ. Application	Automotive, Railway	Typ. Application	Industrial, Automotive, Railway	Typ. Application	Industrial, Automotive, Railway

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Railway-AI 19" RACK-SERVER Type 2

Advanced Telematics Computer 3750-A6CR

Advanced Telematics Computer 3750-6C

Bestellinformation

Artikel-Nr. PKBX5661
Railway-AI 19" RACK-SERVER Type 2, GTX 1650
SP 1280, Barebone, 2x LAN + 4x PoE,
VGA+HDMI, 24VDC (w/ isolated)

Artikel-Nr. PKBX5662
Railway-AI 19" RACK-SERVER Type 2 (w/o GPU),
Barebone, 2x LAN + 4x PoE, VGA+HDMI, 24VDC
(w/ isolated)

Artikel-Nr. PKBX5663
Railway-AI 19" RACK-SERVER Type 2, GTX 1650
SP 1280, Barebone, 2x LAN + 2x 10GbE,
VGA+HDMI, 24VDC (w/ isolated)

Artikel-Nr. PKBX5664
Railway-AI 19" RACK-SERVER Type 2 (w/o GPU),
Barebone, 2x LAN + 2x 10GbE, VGA+HDMI,
24VDC (w/ isolated)

Artikel-Nr. PKBX5665
Railway-AI 19" RACK-SERVER Type 2, GTX 1650
SP 1280, Barebone, 2x LAN, VGA+HDMI, 24VDC
(w/ isolated)

Artikel-Nr. PKBX5666
Railway-AI 19" RACK-SERVER Type 2 (w/o GPU),
Barebone, 2x LAN, VGA+HDMI, 24VDC (w/
isolated)

Artikel-Nr. PKBX5667
Railway-AI 19" RACK-SERVER Type 2, GTX 1650
SP 1280, Barebone, 2x LAN + 4x PoE,
VGA+HDMI, 110VDC (w/ isolated)

Artikel-Nr. PKBX5668
Railway-AI 19" RACK-SERVER Type 2 (w/o GPU),
Barebone, 2x LAN + 4x PoE, VGA+HDMI, 110VDC
(w/ isolated)

Artikel-Nr. PKBX5669
Railway-AI 19" RACK-SERVER Type 2, GTX 1650
SP 1280, Barebone, 2x LAN + 2x 10GbE,
VGA+HDMI, 110VDC (w/ isolated)

Artikel-Nr. PKBX5670
Railway-AI 19" RACK-SERVER Type 2 (w/o GPU),
Barebone, 2x LAN + 2x 10GbE, VGA+HDMI,
110VDC (w/ isolated)

Artikel-Nr. PKBX5671
Railway-AI 19" RACK-SERVER Type 2, GTX 1650
SP 1280, Barebone, 2x LAN, VGA+HDMI,
110VDC (w/ isolated)

Artikel-Nr. PKBX5930
ATC 3750-A6CR, NVIDIA JetsonAGX Orin SOM,
32GB LPDDR5, 64GB eMMC, 6x PoE+, 2x USB
3.2, 2x RS232, 24VDC

Artikel-Nr. PKBX5930-1
ATC 3750-A6CR-64, NVIDIA Jetson AGX Orin
SOM, 64GB LPDDR5, 64GB eMMC, 6x PoE+, 2x
USB 3.2, 2x RS232, 24VDC

Artikel-Nr. PKBX5931
ATC 3750-6C, NVIDIA JetsonAGX Orin SOM,
32GB LPDDR5, 64GB eMMC, 6x PoE+, 2x USB
3.2, 2x RS232, 9-36VDC/IGN

Artikel-Nr. PKBX5931-1
ATC 3750-6C-64, NVIDIA JetsonAGX Orin SOM,
64GB LPDDR5, 64GB eMMC, 6x PoE+, 2x USB
3.2, 2x RS232, 9-36VDC/IGN

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**Advanced Telematics Computer
3750-IP7-8M**



**Advanced Telematics Computer 3530
(Fanless)**



**Advanced Telematics Computer
3540-IP7-4C**

Cooling System	Fanless	Fanless	Fanless
Mounting System	Wall Mount	Wall Mount	Wall Mount
CPU	Built-in NVIDIA® Jetson AGX Orin™ SOM, up to 200/275 TOPS (INT8) performance	3x NVIDIA® 64-bit Carmel (Dual-Core) processor, 1.900 MHz	NVIDIA® Jetson Orin™ NX SOM
CPU Socket	NVIDIA® JetPack 5.1.1	-	NVIDIA® JetPack 5.1.1
Chipset	-	-	-
BIOS	-	-	-
Watchdog Timer	Through MCU	-	-
Controller	-	-	Intel® I210-IT
Basic Equipment	32/64GB	8GB	8GB/16GB
Maximum Equipment	-	-	-
DRAM	-	-	-
SDRAM	-	-	-
DIMM / MemorySocket	256-bit LPDDR5, 204.8 GB/s	128-bit LPDDR4, 1.600MHz	128-bit LPDDR5, 3.200MHz
Compact Flash	-	-	-
SD	1 x Accessible SD card (SDXC-I/ UHS-I, SD3.0) 1 x M.2 2280 Key M (PCIe4.0 x4), NVMe SSD	1x microSD	2 x Micro SIM slots
HDD	-	-	-
HD SATA	64GB eMMC 5.1 flash storage, 200 MHz	16GB eMMC 5.1	-
Removeable Storage	-	-	-
Graphic Interface	1x HDMI	384-Core Volta & 48-core Tensor integrated, 1.100MHz Graphics Adapter, 1x HDMI	1x HDMI
Interface COM	1x RS232 (M12)	2x RS232	2x RS232
CAN	2 x CAN FD	2x	1 x CAN 2.0A/2.0B
Galvanic Isolation	x	x	x
Interface USB	1x OTG micro USB USB, 2 x USB 2.0 (M12) USB 2.0, 2 x USB 3.2 Gen 2 USB 3.0	1x OTG micro USB USB, 2x USB 3.0	1 x OTG, micro-USB USB, 2x USB 3.0
Interface IEEE1394	-	-	-
Interface LAN	1 x 1GbE M12 X-coded 10/100/1000 BASE-T, 1 x 2.5GbE M12 X-coded 2.5G - 5G BASE-T, 2 x RP-SMA for Wi-Fi WLAN, 6-port GbE, RJ45 connector PoE	1x for PKBX5925 / 2x for PKBX5926 10/100/1000 BASE-T, optional WLAN, 4x for PKBX5925 PoE	1x 2,5G - 5G BASE-T, 4x PoE+ PoE
Interface IO	GPIO, 4x Digital Input, 4x Digital Output	GPIO, 4x Digital Input, 4x Digital Output	GPIO, 4x Digital Input, 4x Digital Output
Mini PCIe	1x	1x	1x
Mini PCI	-	-	-
Camera	SerDes GMSL2	4-Channel MIPI SerDes CAM (optional)	-
Video Input	8-port FAKRA connector	-	1 x HDMI 2.0A/B,
Resolution	-	720p30 / 1.080p60	3.840 x 2.160@60Hz
Encoding	-	HEVC / H.265	HEVC / H.265
Decoding/Playback	-	-	-
Bluetooth	-	-	-
eSATA	-	-	-
Audio	-	-	-
Headphone	-	-	-
SIM Card	2 x Nano SIM slots	2x Micro SIM slots	2x Micro SIM slots
GPS	3D accelerometer and 3D gyroscope, ST LSM6DSLTR	1x U-blox NEO-M8N GPS module	1x U-blox NEO-M8N GPS module Optional DR (dead reckoning) function, NEO-M9V
Mobile Communication 2G	-	-	-
Mobile Communication 3G	-	-	-
PCI	-	-	-
PCIe	-	-	-
PCI/104	-	-	-
Operating System	-	-	-
Operating System Support	Linux (NAL) w/ Jetpack 5.0.2 integrated, Ubuntu 20.04 (L4T 35.1, Linux Kernel 5.10)	UBUNTU 18.04, NVIDIA® JetPack 4.5, MIPI SerDes CAM Driver, custom functions, V4L2	Acceleration Linux (NAL) OS w/ JetPack 5.1.1 integrated
Input Voltage Nominal	-	-	-
Input Voltage Min/Max	9 to 36VDC	9 to 36VDC	9 to 36VDC(PKBX5929/-2), 24V for rail (PKBX5929-1/-3)
Output Voltage Nominal	-	-	-
Output Voltage Min/Max	-	-	-
Input Current	-	-	-
Input Power	-	-	-
Battery	-	-	-
Operating Temperature	-25°C to 70°C	-30°C to 70°C	-30°C to 70°C
Extended Operating Temperature	-	-	-
Storage Temperature	-40°C to 85°C	-40°C to 85°C	-40°C to 85°C
Relative Humidity	10%–95% (non-condensing)	10% to 90% (non-condensing)	10% to 90% (non-condensing)
Protection	Vibration & Shock	Vibration & Shock	Vibration & Shock
Certification	CE, e13 (Vehicle), Class A FCC	CE, e13 (Vehicle), Class A FCC	CE, e13 (Vehicle), Class A FCC
Dimensions	292,5mm x 155,0mm x 66,5mm (W x D x H)	213 x 167 x 82,8 mm (W x D x H)	213mm x 167mm x 82,8mm (w/ mount bracket)(PKBX5929/-2), 213mm x 167mm x 122,8mm (w/ mount bracket) (PKBX5929-1/-3)
Weight	tbd kg	2,4 kg	2,4 kg (PKBX5929/-2), 3,2kg (PKBX5929-1/-3)
Material	-	-	-
Typ. Application	Industrial, Automotive, Railway	Industrial, Automotive, Railway	Industrial, Automotive, Railway



**Advanced Telematics Computer
3750-IP7-8M**



**Advanced Telematics Computer 3530
(Fanless)**



**Advanced Telematics Computer
3540-IP7-4C**

Bestellinformation			
	Artikel-Nr. PKBX5932 ATC 3750-IP7-8M, NVIDIA JetsonAGX Orin IP67, 32GB LPDDR5, 64GB eMMC, 8x SerDes GMSL2+, 2x USB 3.2, 2x RS232, 24VDC Artikel-Nr. PKBX5932-1 ATC 3750-IP7-8M-64, NVIDIA JetsonAGX Orin IP67, 64GB LPDDR5, 64GB eMMC, 8x SerDes GMSL2+, 2x USB 3.2, 2x RS232, 24VDC Artikel-Nr. VKFX1202 MIPI VBO SerDes CAM, 1.080p60, AR0234GSC, V-by-One HS, 15m Fakra cable, IP67 Artikel-Nr. VKFX1203 MIPI VBO SerDes CAM, 720p30, AR0144GSC, V-by-One HS, 15m Fakra cable, IP67	Artikel-Nr. PKBX5925 ATC 3530-IP7-4C, NVIDIA Xavier NX, w/ 8GB LPDDR4, 1x HDMI, 4x PoE GbE, 1x GbE, 16GB eMMC Artikel-Nr. PKBX5926 ATC 3530-IP7-4M, NVIDIA Xavier NX, w/ 8GB LPDDR4, 1x HDMI, 4x MIPI SerDes VBO, 2x GbE, 16GB eMMC Artikel-Nr. PKBX5927 ATC 3530-IP7-4C, NVIDIA Xavier NX, w/ 16GB LPDDR4, 1x HDMI, 4x PoE GbE, 1x GbE, 16GB eMMC Artikel-Nr. PKBX5928 ATC 3530-IP7-4M, NVIDIA JetsonXavierNX/16GB LPDDR4, 1xHDMI/4xMIPI VBO/2xGbE/2xRS232/2xUSB3.0/16GB eMMC Artikel-Nr. VKFX1202 MIPI VBO SerDes CAM, 1.080p60, AR0234GSC, V-by-One HS, 15m Fakra cable, IP67 Artikel-Nr. VKFX1203 MIPI VBO SerDes CAM, 720p30, AR0144GS, V-by-One HS, 15m Fakra cable, IP67	Artikel-Nr. PKBX5929 ATC 3540-IP7-4C, NVIDIA Jetson Orin NX SOM/8GB LPDDR5, 128GB NVMe/IP67/AI edge/4xGbE PoE/1xGbE/2xRS232/2xUSB3.2 Artikel-Nr. PKBX5929-1 ATC 3540-IP7-A4CR, NVIDIA Jetson Orin NX SOM/8GB LPDDR5, 128GB NVMe/IP67/AI edge/4xGbE PoE+(x-coded)/1xGbE(x-coded)/2xUSB3.2/24VDC Artikel-Nr. PKBX5929-2 ATC 3540-IP7-4C-16, NVIDIA Jetson Orin NX SOM/8GB LPDDR5, 128GB NVMe/IP67/AI edge/4xGbE PoE/1xGbE/2xRS232/2xUSB3.2 Artikel-Nr. PKBX5929-3 ATC 3540-IP7-A4CR-16, NVIDIA Jetson Orin NX SOM/16GB LPDDR5, 128GB NVMe/IP67/AI edge/4xGbE PoE+(x-coded) /1xGbE(x-coded) /2xUSB3.2/24VDC

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KI-Automotive Box-PC
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Advanced Telematics Computer 3200 (Fanless)



Vehicle Telematics Computer 7270



Vehicle Telematics Computer 7270-C4/C8

Cooling System	Fanless	Fanless	Fanless
Mounting System	Wall Mount	Wall Mount	Wall Mount
CPU	NVIDIA® Jetson TX2 SOM up to 1.3 TFOPS compute: NVIDIA® Denver 2 Dual Core & ARM® A57 Quad Core	12/13th Gen Intel® Core™ i	12/13th Gen Intel® Core™ i
CPU Socket	-	Up to two Hailo AI accelerator	Up to two Hailo AI accelerator
Chipset	-	Intel® R680E Chipset	Intel® R680E Chipset
BIOS	-	-	-
Watchdog Timer	-	-	-
Controller	-	Intel® I226-IT	Intel® I226-IT
Basic Equipment	8GB	8GB	8GB
Maximum Equipment	-	64GB	64GB
DRAM	-	-	-
SDRAM	-	-	-
DIMM / MemorySocket	128-bit LPDDR4, 1.600MHz	2 x SO-DIMM, DDR5-4800MHz	2 x SO-DIMM, DDR5-4800MHz
Compact Flash	-	-	-
SD	1x	2 x 2.5" SSD (15mm height, removable)	2 x 2.5" SSD (15mm height, removable)
HDD	-	-	-
HD SATA	1x 2.5" SSD (15 mm height)	-	-
Removeable Storage	-	-	-
Graphic Interface	256-Core Pascal integrated GPU @ 1.2GHz Graphics Adapter, 1x HDMI	Intel® UHD graphics 770, 1.55GHz, Max resolution: 4.096 x 2.160@60Hz(HDMI), DirectX:12, OpenGL: 4.5 Graphics Adapter, 1 x VGA, up to 1920x1200@60Hz VGA/CRT, 1 x HDMI 2.0a/b, up to 3840x2160@60Hz HDMI, 1 x DP, 4096x2304@60Hz DisplayPort	Intel® UHD graphics 770, 1.55GHz, Max resolution: 4.096 x 2.160@60Hz(HDMI), DirectX:12, OpenGL: 4.5 Graphics Adapter, 1 x VGA, up to 1920x1200@60Hz VGA/CRT, 1 x HDMI 2.0a/b, up to 3840x2160@60Hz HDMI, 1 x DP, 4096x2304@60Hz DisplayPort
Interface COM	2x RS232/422/485	1x 2 x RS232 (DB9), 1x 2 x RS232/422/485 (DB9)	1x 2 x RS232 (DB9), 1x 2 x RS232/422/485 (DB9)
CAN	2x	2 x CAN FD, compatible with CAN2.0A/2.0B	2 x CAN FD, compatible with CAN2.0A/2.0B
Galvanic Isolation	x	x	x
Interface USB	1x USB 2.0, 2x USB 3.0	6 x USB 3.2 Type A USB 3.0	6 x USB 3.2 Type A USB 3.0
Interface IEEE1394	-	-	-
Interface LAN	2x 10/100/1000 BASE-T, optional WLAN, 2x PoE	1 x M.2 3030 Key E socket (PCIe 3.0 x 2 & USB 2.0), Wi-Fi(default), Hailocard(option) 10/100/1000 BASE-T, 2 x 2.5GbE PoE (RJ45), 1 x GbE (RJ45) 2.5G - 5G BASE-T, Up to 4 WWAN/WLAN combinations for mobile router applications WLAN, 2 x 2.5" SSD, 1 x NVMe ultra-speed SSD for data integrity PoE	1 x M.2 3030 Key E socket (PCIe 3.0 x 2 & USB 2.0), Wi-Fi(default), Hailocard(option) 10/100/1000 BASE-T, 4 x 2.5GbE PoE (RJ45), 1 x GbE RJ45-(PKBX5751) 8 x 2.5GbE PoE (RJ45), 1 x GbE RJ45-(PKBX5752) 2.5G - 5G BASE-T, Up to 4 WWAN/WLAN combinations for mobile router applications WLAN, 2 x 2.5" SSD, 1 x NVMe ultra-speed SSD for data integrity PoE
Interface IO	GPIO, 4x Digital Input, 4x Digital Output	u-blox NEO-M9N GNSS module for GPS/Glonass/QZSS/Galileo/Beidou GPIO	u-blox NEO-M9N GNSS module for GPS/Glonass/QZSS/Galileo/Beidou GPIO
Mini PCIe	1x	1 x mPCIe slot (PCIe 3.0, SATA 3.0, USB 2.0)	1 x mPCIe slot (PCIe 3.0, SATA 3.0, USB 2.0)
Mini PCI	-	-	-
Camera	4-Channel MIPI SerDes CAM (optional)	-	-
Video Input	-	-	-
Resolution	720p30 / 1.080p60	-	-
Encoding	H.264 / H.265	-	-
Decoding/Playback	H.264 / H.265	-	-
Bluetooth	-	-	-
eSATA	-	-	-
Audio	1x Mic-in, 1x Line-out	Line-out, unbalance stereo, left & right channel, Line-in & MIC-in, stereo,DC-OUT: 12VDC@2A	Line-out, unbalance stereo, left & right channel, Line-in & MIC-in, stereo,DC-OUT: 12VDC@2A
Headphone	-	-	-
SIM Card	2x Micro SIM slots	4 x Nano SIM slots	4 x Nano SIM slots
GPS	1x U-blox NEO-M8N GPS module	1x u-blox NEO-M9N GNSS module, Optional DR (Dead Reckoning) function, NEO-M9V/M8L	1x u-blox NEO-M9N GNSS module, Optional DR (Dead Reckoning) function, NEO-M9V/M8L
Mobile Communication 2G	-	-	-
Mobile Communication 3G	-	-	-
PCI	-	-	-
PCIe	-	2x PCIe 3.0	2x PCIe 3.0
PCI/104	-	-	-
Operating System	-	Windows 10 64-bit/Windows 10 IOT 64-bit, Windows 11,Linux (Ubuntu 18.04)	Windows 10 64-bit/Windows 10 IOT 64-bit, Windows 11,Linux (Ubuntu 18.04)
Operating System Support	UBUNTU 18.04, NVIDIA® JetPack 4.4, MIPI SerDes Pack, custom-made SDK	-	-
Input Voltage Nominal	-	-	-
Input Voltage Min/Max	9 to 36VDC	9 to 36VDC	9 to 36VDC
Output Voltage Nominal	12VDC	-	-
Output Voltage Min/Max	-	-	-
Input Current	-	-	-
Input Power	-	-	-
Battery	-	-	-
Operating Temperature	-30°C to 70°C	-35°C~70°C	-35°C~70°C
Extended Operating Temperature	-	-	-
Storage Temperature	-40°C to 85°C	-40°C~85°C	-40°C~85°C
Relative Humidity	10% to 90% (non-condensing)	10%~95% (non-condensing)	10%~95% (non-condensing)
Protection	Vibration & Shock	MIL-STD-810H Vibration & Shock	MIL-STD-810H Vibration & Shock
Certification	CE, e13 (Vehicle), Class A FCC	CE, e13 (Vehicle), Class A FCC	CE, e13 (Vehicle), Class A FCC
Dimensions	180 x 156 x 60 mm (W x D x H)	260 x 210 x 81 mm (W x D x H) 293mm x 210mm x 90mm (w/ mount bracket)	260 x 210 x 81 mm (W x D x H) 293mm x 210mm x 90mm (w/ mount bracket)

Weight	2,4 kg	5,7kg, 6,8kg (w/ fan kit)	5,7kg, 6,8kg (w/ fan kit)
Material	-	-	-
Typ. Application	Industrial, Automotive, Railway	Automotive	Automotive

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**Advanced Telematics Computer 3200
(Fanless)**



Vehicle Telematics Computer 7270



**Vehicle Telematics Computer
7270-C4/C8**

Bestellinformation

Artikel-Nr. PKBX5920

ATC 3200, NVIDIA Jetson TX2 SOM w/ 8GB
DDR4, 1x HDMI, 2x PoE GbE, 32GB eMMC

Artikel-Nr. PKBX5921

ATC 3200-4M, NVIDIA Jetson TX2 SOM w/ 8GB
DDR4, 1x HDMI, 2x PoE GbE, 32GB eMMC, 4-ch
MIPI SerDes

Artikel-Nr. VKFX1200

MIPI SerDes CAM 2.3M(G), 1.080p60, AR0234 ,
with Enclosure + ISP + VBO, optional with 5 m /
15 m Fakra cable

Artikel-Nr. VKFX1201

MIPI SerDes CAM 1M(G), 720p30, AR0144 , with
Enclosure + ISP + VBO, optional with 5 m / 15 m /
25 m Fakra cable

Artikel-Nr. PKBX5750

VTC 7270 12/13th Gen Intel Core, R680E, DDR5,
2x2.5GbE, 6xUSB3.2, 2xCAN, 2.5SSD, NVMe,
HailoAI Accel

Artikel-Nr. PKBX5751

VTC 7270-C4, 12/13th Gen Intel Core, R680E,
DDR5, 2x2.5GbE, 6xUSB3.2, 2xCAN, 2.5SSD,
NVMe, HailoAI Accel

Artikel-Nr. PKBX5752

VTC 7270-C8, 12/13th Gen Intel Core, R680E,
DDR5, 8x2.5GbE, 6xUSB3.2, 2xCAN, 2.5SSD,
NVMe, HailoAI Accel

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Selection Guide KI-Automotive Box-PC



**Vehicle Telematics Computer
7260-5HBIoT/7HBIoT**

**Vehicle Telematics Computer
7260-5HCloT/7HCloT**

**Vehicle Telematics Computer
7260-5GCIoT/7GCIoT**

Cooling System	Fanless	Fanless	Fanless
Mounting System	Wall Mount	Wall Mount	Wall Mount
CPU	Intel® Core™ 11th Gen. Tiger Lake UP3 Core i5-1145GRE, base frequency 1.5GHz/ 2.6GHz, 4c Core i7-1185GRE, base frequency 1.8GHz/ 2.8GHz, 4c	Intel® Core™ 11th Gen. Tiger Lake UP3 Core i5-1145GRE, base frequency 1.5GHz/ 2.6GHz, 4c Core i7-1185GRE, base frequency 1.8GHz/ 2.8GHz, 4c	Intel® Core™ 11th Gen. Tiger Lake UP3, Core i5-1145GRE, Core i7-1185GRE
CPU Socket	-	-	-
Chipset	8MB Intel® Smart Cache (PKBX5379), 12MB Intel® Smart Cache (PKBX5379-1)	8MB Intel® Smart Cache (PKBX5379-2), 12MB Intel® Smart Cache (PKBX5379-3)	8 MB Intel® Smart Cache (PKBX5378-2), 12 MB Intel® Smart Cache (PKBX5378-3)
BIOS	-	-	-
Watchdog Timer	-	-	-
Controller	Intel® I225-IT	Intel® I225-IT	-
Basic Equipment	4GBx4GB in default	4GBx4GB in default	4GBx4GB in default
Maximum Equipment	64GB in max.	64GB in max.	64GB in max.
DRAM	-	-	-
SDRAM	-	-	-
DIMM / MemorySocket	2 x SO-DIMM, DDR4-3200MHz	2 x SO-DIMM, DDR4-3200MHz	2 x SO-DIMM, DDR4-3200MHz
Compact Flash	-	-	-
SD	-	-	-
HDD	-	-	-
HD SATA	1 x 2.5" SSD, 1 x mSATA and 1 x NVMe SSD for data integrity	1 x 2.5" SSD, 1 x mSATA and 1 x NVMe SSD for data integrity	1 x 2.5" SSD, 1 x mSATA and 1 x NVMe SSD for data integrity
Removeable Storage	-	-	-
Graphic Interface	Intel® Iris® Xe graphics, 1.3GHz Graphics Adapter, 1x VGA, up to 2.560 x 1.600@60Hz VGA/CRT, 1x 2.0a/b, up to 3.840 x 2.160@60Hz HDMI, 1x DP, 4.096 x 2.304@60Hz DisplayPort	Intel® Iris® Xe graphics, 1.3GHz Graphics Adapter, 1x VGA, up to 2.560 x 1.600@60Hz VGA/CRT, 1x 2.0a/b, up to 3.840 x 2.160@60Hz HDMI, 1x DP, 4.096 x 2.304@60Hz DisplayPort	Intel® Iris® Xe graphics, 1.3GHz Graphics Adapter, 1x VGA, up to 2.560 x 1.600@60Hz VGA/CRT, 1x 2.0a/b, up to 3.840 x 2.160@60Hz HDMI, 1x DP, 4.096 x 2.304@60Hz DisplayPort
Interface COM	1x 2 x full RS232 reserved for option (wafer connector), 2x RS232/422/485	1x 2 x full RS232 reserved for option (wafer connector), 2x RS232/422/485	1x 2 x full RS232 reserved for option (wafer connector), 2x RS232/422/485
CAN	1 x CAN 2.0A/B	1 x CAN 2.0A/B	1 x CAN 2.0A/B
Galvanic Isolation	2.5KV isolated	2.5KV isolated	2.5KV isolated
Interface USB	1x USB 2.0, 3x USB 3.0	1x USB 2.0, 3x USB 3.0	1x USB 2.0, 3x USB 3.0
Interface IEEE1394	-	-	-
Interface LAN	5x 10/100/1000 BASE-T, 2-port independent 2.5GbE, RJ45 connector 2.5G - 5G BASE-T, 4 x PR-SMA for WLAN WLAN, 4x PoE	5x 10/100/1000 BASE-T, 4 x PR-SMA for WLAN WLAN, 4x PoE	5x 10/100/1000 BASE-T, 4 x PR-SMA for WLAN WLAN, 4x PoE
Interface IO	GPIO, 4x Digital Input, 4x Digital Output	GPIO, 4x Digital Input, 4x Digital Output	GPIO, 4x Digital Input, 4x Digital Output
Mini PCIe	4x	4x	4x
Mini PCI	-	-	-
Camera	-	-	-
Video Input	-	-	-
Resolution	-	-	-
Encoding	-	-	-
Decoding/Playback	-	-	-
Bluetooth	-	-	-
eSATA	-	-	-
Audio	2x Audio jack (Line-out & MIC-in)	2x Audio jack (Line-out & MIC-in)	2x Audio jack (Line-out & MIC-in)
Headphone	-	-	-
SIM Card	2 x SIM slots (SIM1-1, SIM2-1)	2 x SIM slots (SIM1-1, SIM2-1)	2 x SIM slots (SIM1-1, SIM2-1)
GPS	1x U-blox NEO-M8N GPS module, Optional DR (Dead Reckoning) function, NEO-M8U/M8L	1x U-blox NEO-M8N GPS module, Optional DR (Dead Reckoning) function, NEO-M8U/M8L	1x U-blox NEO-M8N GPS module, Optional DR (Dead Reckoning) function, NEO-M8U/M8L
Mobile Communication 2G	-	-	-
Mobile Communication 3G	-	-	-
PCI	-	-	-
PCIe	-	-	-
PCI/104	-	-	-
Operating System	Windows 10 64-bit/Windows 10 IOT 64-bit, Windows 11, Linux (Ubuntu 18.04)	Windows 10 64-bit/Windows 10 IOT 64-bit, Windows 11, Linux (Ubuntu 18.04)	Windows 10 64-bit/Windows 10 IOT 64-bit, Windows 11, Linux (Ubuntu 18.04)
Operating System Support	-	-	-
Input Voltage Nominal	-	-	-
Input Voltage Min/Max	9 to 36VDC	9 to 36VDC	9 to 36VDC
Output Voltage Nominal	-	-	-
Output Voltage Min/Max	-	-	-
Input Current	-	-	-
Input Power	-	-	-
Battery	-	-	-
Operating Temperature	-30°C~65°C (15W TDP)	-40°C to 70°C(12W TDP base)	-40°C to 70°C(12W TDP base)
Extended Operating Temperature	-	-	-
Storage Temperature	-40°C to 85°C	-40°C to 85°C	-40°C to 85°C
Relative Humidity	10%~95% (non-condensing)	10%~95% (non-condensing)	10%~95% (non-condensing)
Protection	Vibration & Shock	Vibration & Shock	Vibration & Shock
Certification	CE, e13 (Vehicle), MIL-STD-810G, Class A FCC	CE, e13 (Vehicle), MIL-STD-810G, Class A FCC	CE, e13 (Vehicle), MIL-STD-810G, Class A FCC
Dimensions	210 x 173 x 75 mm (W x D x H)	210 x 173 x 75 mm (W x D x H)	210 x 173 x 75 mm (W x D x H)
Weight	3,5 kg	3,5 kg	3,5 kg
Material	rugged Casing	rugged Casing	rugged Casing
Typ. Application	Automotive	Automotive	Automotive

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Vehicle Telematics Computer
7260-5HBIoT/7HBIoT

Vehicle Telematics Computer
7260-5HCloT/7HCloT

Vehicle Telematics Computer
7260-5GCloT/7GCloT

Bestellinformation	Artikel-Nr. PKBX5379 VTC 7260-5HBIoT Intel 11th Gen Tiger Lake UP3 i5, 2.5GbE, USB 2.0, USB3.2, 3xRS232/422/485, SSD, mSATA	Artikel-Nr. PKBX5379-2 VTC 7260-5HCloT Intel 11th Gen Tiger Lake UP3 i5, 4xPoE, 1xGbE, 2.0+3.2 USB, 2xRS232/422/485, SSD, mSATA	Artikel-Nr. PKBX5379-4 VTC 7260-5GCloT Intel 11th Gen Tiger Lake UP3 i5, 2.5GbE, USB 2.0, USB3.2, 3xRS232/422/485, SSD, mSATA
	Artikel-Nr. PKBX5379-1 VTC 7260-7HBIoT Intel 11th Gen Tiger Lake UP3 i7, 2.5GbE, USB 2.0, USB3.2, 3xRS232/422/485, SSD, mSATA	Artikel-Nr. PKBX5379-3 VTC 7260-7HCloT Intel 11th Gen Tiger Lake UP3 i7, 4xPoE, 1xGbE, 2.0+3.2 USB, 2xRS232/422/485, SSD, mSATA	Artikel-Nr. PKBX5379-5 VTC 7260-7GCloT Intel 11th Gen Tiger Lake UP3 i7, 2.5GbE, USB 2.0, USB3.2, 3xRS232/422/485, SSD, mSATA

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Selection Guide KI-Automotive Box-PC



**Vehicle Telematics Computer
7251-GCIoT**



**Vehicle Telematics Computer
6222-GCIoT**



nROK 6222-GCIoT Railway Box-PC

Cooling System	Fanless	Fanless	Fanless
Mounting System	Wall Mount	Wall Mount	Wall Mount
CPU	Intel® Core i7-8700T (8th Gen.) Coffee Lake processor, 6-Core, 2.4GHz	Intel Atom® E3950 processor 1.6GHz (up to 2.0GHz), Quad Core, 12W	Intel Atom® E3950 processor 1.6GHz (up to 2.0GHz), Quad Core, 12W
CPU Socket	-	-	-
Chipset	Intel® Q370 platform controller hub	-	-
BIOS	-	-	-
Watchdog Timer	-	-	-
Controller	-	-	-
Basic Equipment	8GB (for two channels)	4GB	4GB
Maximum Equipment	64GB (for two channels)	8GB	8GB
DRAM	-	-	-
SDRAM	-	-	-
DIMM / MemorySocket	Dual-Channel 260-pin DDR4 SO-DIMM	DDR3L SO-DIMM	DDR3L SO-DIMM
Compact Flash	-	-	-
SD	-	1x	1x
HDD	-	-	-
HD SATA	2x 2,5" SATA 3.0 external SSD, 2x mSATA 3.0 (BIOS selection)	1x 2,5" SSD SATA 3.0	1x 2,5" SSD SATA 3.0
Removeable Storage	-	-	-
Graphic Interface	Google Edge TPU (Coral ML Accelerator Module) Graphics Adapter, 1x VGA/CRT, 1x HDMI	Google Edge TPU (Coral ML Accelerator Module) Graphics Adapter, 1x VGA/CRT, 2x HDMI	Google Edge TPU (Coral ML Accelerator Module) Graphics Adapter, 1x VGA/CRT, 2x HDMI
Interface COM	2x RS232, 1x RS232/422/485	2x RS232, 1x RS422/485	2x RS232, 1x RS422/485
CAN	1x	1x	1x
Galvanic Isolation	x	-	-
Interface USB	4x USB 3.0	1x USB DOM to run OS USB, 2x USB 2.0, 1x USB 3.0	1x USB DOM to run OS USB, 2x via one M12 Interface USB 2.0, 1x USB 3.0
Interface IEEE1394	-	-	-
Interface LAN	5x 10/100/1000 BASE-T, optional WLAN, 4x PoE	5x 10/100/1000 BASE-T, 4x PoE	5x 10/100/1000 BASE-T, 4x PoE
Interface IO	GPIO, 4x Digital Input, 4x Digital Output	GPIO, 4x Digital Input, 4x Digital Output	GPIO, 4x Digital Input, 4x Digital Output
Mini PCIe	4x	3x	3x
Mini PCI	-	-	-
Camera	-	-	-
Video Input	-	-	-
Resolution	-	-	-
Encoding	-	-	-
Decoding/Playback	-	-	-
Bluetooth	-	-	-
eSATA	-	-	-
Audio	1x Mic-in, 2x Line-out	1x Mic-in + 1x Line-out	1x M8 for 1x Mic-in + 1x Line-out
Headphone	-	-	-
SIM Card	6x SIM card sockets (4x WWAN + 8x SIM, BOM option)	2x externally SIM card sockets	2x externally SIM card sockets
GPS	1x U-blox NEO-M8N GPS module	1x u-blox NEO-M8N GNSS module	1x u-blox NEO-M8N GNSS module
Mobile Communication 2G	-	-	-
Mobile Communication 3G	-	-	-
PCI	-	-	-
PCIe	-	-	-
PCI/104	-	-	-
Operating System	-	-	-
Operating System Support	LINUX	Debian LINUX and other variants	Debian LINUX and other variants
Input Voltage Nominal	-	-	24VDC / 36VDC w/o isolation
Input Voltage Min/Max	9 to 36VDC	9 to 48VDC	9 to 48VDC w/o isolation
Output Voltage Nominal	-	-	-
Output Voltage Min/Max	-	-	-
Input Current	-	-	-
Input Power	-	-	-
Battery	-	-	-
Operating Temperature	-30°C to 60°C	-20°C to 60°C	-20°C to 60°C
Extended Operating Temperature	-	-	-
Storage Temperature	-40°C to 80°C	-40°C to 80°C	-40°C to 80°C
Relative Humidity	90% (non-condensing)	10% to 90% (non-condensing)	10% to 90% (non-condensing)
Protection	Vibration & Shock	Vibration & Shock	Vibration & Shock
Certification	CE, e13 (Vehicle), Class A FCC	CE, e13 (Vehicle), Class A FCC	CE, EN50155 (Railway), Class A FCC
Dimensions	260 x 256 x 83,5 mm (W x D x H)	260 x 196 x 66,5 mm (W x D x H)	260 x 196 x 66,5 mm (W x D x H)
Weight	4,2 kg	3,2 kg	3,4 kg
Material	-	-	-
Typ. Application	Automotive	Automotive	Automotive, Railway

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19 Artikel aus dem Bereich
KI-Automotive Box-PC
wurden für das PDF ausgewählt.

Selection Guide KI-Automotive Box-PC



Vehicle Telematics Computer
7251-GCIoT



Vehicle Telematics Computer
6222-GCIoT



nROK 6222-GCIoT Railway Box-PC

Bestellinformation	Artikel-Nr. PKBX5369 VTC 7251-GCIoT, Google Edge TPU, Intel Core i7-8700T 2.4GHz, 8GB DDR4, 1x VGA, 1x HDMI	Artikel-Nr. PKBX5389 VTC 6222-GCIoT, Google Edge TPU, Intel Atom E3950 1.6GHz, 4GB DDR3L, 1x VGA, 2x HDMI	Artikel-Nr. PKBX5634 nROK 6222-GCIoT Railway, Google Edge TPU, Intel Atom E3950 1.6GHz, 4GB DDR3L, 1x VGA, 2x HDMI
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Vehicle Telematics Computer 7260-xC4

Cooling System	Fanless
Mounting System	Wall Mount
CPU	Intel® Core™ 11th Gen. Tiger Lake UP3,Core i5-1145GRE,Core i7-1185GRE
CPU Socket	-
Chipset	8 MB Intel® Smart Cache (PKBX5378), 12 MB Intel® Smart Cache(PKBX5378-1)
BIOS	-
Watchdog Timer	-
Controller	-
Basic Equipment	4GBx4GB in default
Maximum Equipment	64GB in max.
DRAM	-
SDRAM	-
DIMM / MemorySocket	2 x SO-DIMM, DDR4-3200MHz
Compact Flash	-
SD	-
HDD	-
HD SATA	1 x 2.5" SSD, 1 x mSATA and 1 x NVMe SSD for data integrity
Removeable Storage	-
Graphic Interface	Intel® Iris® Xe graphics, 1.3GHz Graphics Adapter, 1x VGA, up to 2.560 x 1.600@60Hz VGA/CRT, 1x 2.0a/b, up to 3.840 x 2.160@60Hz HDMI, 1x DP, 4.096 x 2.304@60Hz DisplayPort
Interface COM	1x 2 x full RS232 reserved for option (wafer connector), 2x RS232/422/485
CAN	1 x CAN 2.0A/ 2.0B
Galvanic Isolation	2.5KV isolated
Interface USB	1x USB 2.0, 3x USB 3.0
Interface IEEE1394	-
Interface LAN	5x 10/100/1000 BASE-T, 4 x PR-SMA for WLAN WLAN, 4x PoE
Interface IO	GPIO, 4x Digital Input, 4x Digital Output
Mini PCIe	4x
Mini PCI	-
Camera	-
Video Input	-
Resolution	-
Encoding	-
Decoding/Playback	-
Bluetooth	-
eSATA	-
Audio	Line-out, unbalance stereo, left & right channel,MIC-in, stereo,Line-in reserved (wafer connector)
Headphone	-
SIM Card	2 x SIM slots (SIM1-1, SIM2-1)
GPS	1x U-blox NEO-M8N GPS module,Optional DR (Dead Reckoning) function, NEO-M8U/M8L
Mobile Communication 2G	-
Mobile Communication 3G	-
PCI	-
PCIe	-
PCI/104	-
Operating System	Windows 10 64-bit/Windows 10 IOT 64-bit, Windows 11, Linux (Ubuntu 18.04)
Operating System Support	-
Input Voltage Nominal	-
Input Voltage Min/Max	9 to 36VDC
Output Voltage Nominal	-
Output Voltage Min/Max	-
Input Current	-
Input Power	-
Battery	-
Operating Temperature	-30°C~60°C (15W TDP & PoE)
Extended Operating Temperature	-
Storage Temperature	-40°C to 85°C
Relative Humidity	10%~95% (non-condensing)
Protection	Vibration & Shock
Certification	CE, e13 (Vehicle), MIL-STD-810G, Class A FCC
Dimensions	210 x 173 x 75 mm (W x D x H)
Weight	3,5 kg
Material	rugged Casing
Typ. Application	Automotive

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KI-Automotive Box-PC
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Vehicle Telematics Computer 7260-xC4

Bestellinformation

Artikel-Nr. PKBX5378

VTC 7260-5C4 Intel 11th Gen Tiger Lake UP3 i5,
4xPoE+GbE, USB 2.0, USB3.2,
2xRS232/422/485, SSD, mSATA

Artikel-Nr. PKBX5378-1

VTC 7260-7C4 Intel 11th Gen Tiger Lake UP3 i7,
4xPoE+GbE, USB 2.0, USB3.2, 2xRS232/422/485,
SSD, mSATA

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