

Developed for Embedded Vision: the new Xilinx Kria SoM



Leading
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The following overview shows the mainboards currently available for the Xilinx Kria SoMs with their functionalities and interfaces. From the manufacturer's own Xilinx Kria KV 260 AI Starter Kit to the individual hema Embedded Vision AI Platform.

Features	Kria K26 SoM Xilinx	KV 260 Starter Kit Xilinx	EVB2A hema electronic	EVBcustom hema electronic
Temp.-Bereich	-40°C to +100°C	0°C to +35°C	-40°C to +85°C	-40°C to +85°C
Abmessungen	60mm x 77mm	119mm x 140mm	130mm x 155mm	mind. 70mm x 85mm
MIO IO Pins	52	49	52	52
PL I/O Pins	185	48	166	185
PS MGT TX	4	4	4	4
PS MGT RX	4	4	4	4
PL MGT TX	4	0	4	4
PL MGT RX	4	0	4	4
SoM-Steckplatz	2 x 240 Pins	1 x 240 Pins	2 x 240 Pins	2 x 240 Pins
SDI In		0	3	√
SDI Out		0		√
Analog In		0	2	√
Analog Out		0	1	√
MIPI-CSI (IAS)		3	3	√
DP		1	1	√
HDMI		1	0	√
M.2/SATA		1	0	√
Gbit Ethernet		1	1	√
USB3.0		4	1	√
CAN		0	1	√
UART		1	1	√
SD-Card		1	1	√
PMOD		1	1	√
JTAG		1	1	√
FMC		0	1 (LPC)	√
10Gbit Ethernet				√
CoaXPress In				√
CoaXPress Out				√
CameraLink In				√
CameraLink Out				√
Audio In				√
Audio Out				√

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