

Diamond Systems has been delivering embedded computing products with innovative features, rugged performance, high feature density, and increased value to customers all over the world in all major industries. This guide presents a sample of our current standard product offerings. We welcome the opportunity to serve you with one of these products or a custom solution based on our vast library of technologies and our worldwide design and manufacturing resources

Let's build a better tomorrow!



	FLOYD	ZIGGY	JETHRO	STEVIE	ELTON
Jetson module	Nano & Xavier NX	TX2/TX2i	TX2/TX2i	AGX Xavier	AGX Xavier
Camera	3x CSI-2 4-lane ports	N/A	2x CSI 4-lane	Camera module socket supports 8x CSI 2-lane	Camera module socket supports 8x CSI 2-lane
Display	2x HDMI	HDMI	HDMI	2x HDMI	HDMI, LVDS
Mass storage	mPCIe, M.2 NVMe 2280, Micro SD	Micro SD	M.2 SATA 2242, Micro SD	M.2 PCIe x4 NVMe 2280	M.2 PCIe x4 NVMe 2242
Serial ports	2x RS-232/422/485	2x RS-232	2x RS-232	2x RS-232	2x RS-232
USB ports	1x 3.0, 2x 2.0	1x USB 3.0, 1x USB 2.0		1x USB 3.0/2.0, 2x USB 2.0	2x USB 3.1, 2x USB 2.0
Ethernet	2x Gbe PoE+, RJ-45	1x Gbe	1x Gbe	2x Gbe, RJ-45	2x Gbe
CAN	1 CAN 2.0 with NX module			2	2
Integrated GPIO	8	13	13	13	13
Integrated DAQ		6x 12-16-bit A/D 2x 12-bit D/A	6x 12-16-bit A/D 2x 12-bit D/A	6x 12-16-bit A/D 2x 12-bit D/A	6x 12-16-bit A/D 2x 12-bit D/A
Expansion	1x PCIe/USB MiniCard	N/A	1x PCIe/USB MiniCard SkyWire modem socket	1x PCIe/USB MiniCard	1x PCIe/USB MiniCard SkyWire modem socket PCI/104-Express with 1x PCIe x8, 4x PCIe x1 and PCI bus links
Size	143x76mm / 5.8x3.0"	63x67x96mm / 2.5x2.6x3.8"	76x107mm / 3.0x4.2"	100x87mm / 3.9x3.4"	102x152mm / 4.0x6.0"



	ZIGGYBOX	JETBOX-floyd	JETBOX-nano
Jetson module	TX2/TX2i	Nano & Xavier NX	Nano
Size	63x67x96mm / 2.5x2.6x3.8"	171x89x57mm / 6.7x3.5x2.2"	125x95x34mm / 4.9x3.7x1.3"
Description	ZiggyBox provides the smallest industrial grade Jetson-based computer system. It offers all the features of the Jetson TX2 / TX2i modules plus the Ziggy baseboard. Integrated analog and digital I/O make ZiggyBox perfect for real world I/O applications.	JETBOX-Floyd, based on our Floyd carrier board, provides a compact, camera-centric system for AI at the edge applications using the Nano and Xavier NX modules. Dual PoE+ RJ-45 camera ports, USB 3.0, dual HDMI, and dual serial ports provide vital connectivity for a broad range of applications.	JETBOX-nano is an all-steel enclosure designed for the Nvidia Jetson Nano development kit. Simply insert the dev kit board set into the case, attach the top, and you have a professional, commercial quality Jetson system ready for deployment. Table-top and DIN rail mounting included.

Diamond Systems is a proud member of the NVIDIA partner ecosystem delivering NVIDIA's advanced computing technologies to the embedded market in rugged, reliable, and I/O-rich carrier board and system solutions.

Our ELTON board is the first in the world to combine the power and performance of NVIDIA AGX Xavier with the ruggedness and reliability of PCIe/104 I/O expansion.

Our FLOYD board provides a camera-centric solution with multiple camera ports and the flexibility to be combined with the Jetson Nano or Xavier NX modules.

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