Aitech’s compact, rugged ‘A174’ computer can extend the I/O of multiple network-connected computers. The avionics focused A174 runs Linux on a Cyclone V SoC and provides I/O including serial, analog, discrete, ARINC-429, and more.

Aitech’s FPGA-enabled A174 I/O expansion subsystem is designed as a companion computer for one or more avionics computers, but it can be used with any rugged embedded system to extend I/O and offload I/O processing. The system’s multiple-client/multiple-server architecture enables multiple A174 devices to act as I/O servers to multiple clients.

[2]

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Links: