

INTREPID CONTROL SYSTEMS, INC.

neoVI PLASMA

neoVI PLASMA: Mobile Technology Meets Automotive Testing

Intrepid Control Systems introduces the most capable device ever for automotive testing - neoVI PLASMA. We have taken the mobile connected testing device, ruggedized it for automotive use, and packaged it with our popular neoVI vehicle network interfaces.

The Technology To Move Data Fast

The neoVI PLASMA marries the best of real time and rich operating system experiences. A Linux embedded system running Android provides the user with a great touch screen experience while the FPGA and the neoVI modules keep control with microsecond level precision. The realtime features such as scripts and logging can occur without any intervention from Linux. This feature preserves features in neoVI such as fast wake up.



Use Cases:

- Standalone logger wirelessly connected
- PC vehicle network interface
- Heads-up display for test vehicles
- In-vehicle data acquisition system

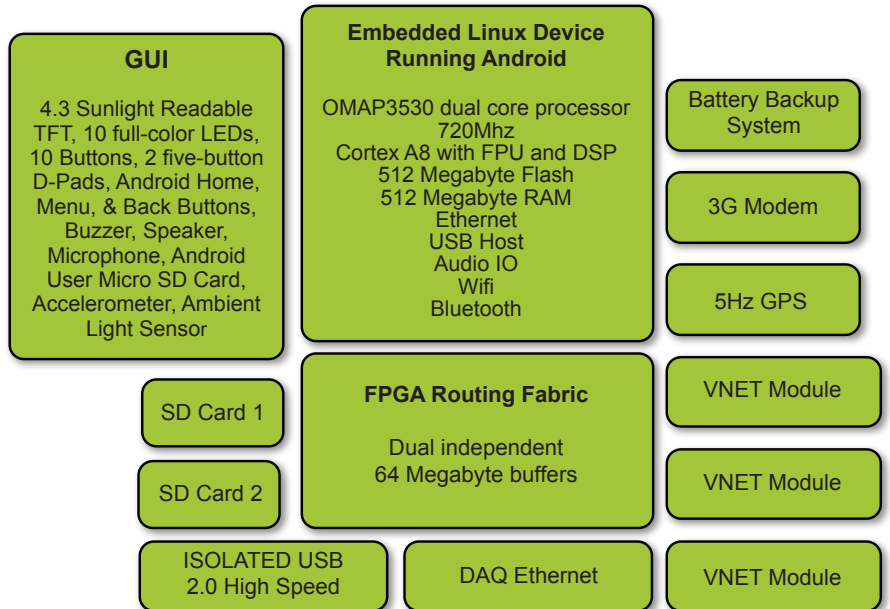
VNET Modules: Expandable Support

neoVI PLASMA can seat up to three VNET modules. The two available are neoVI FIRE and Physical IO. The Physical IO supports eight instrumentation class analog inputs 0-32V, four analog outputs, 8 0-VBATT PWM IO, and a 2 channel 25 Megasample oscilloscope.

So, if you had 3 neoVI FIRE modules, you can have up to 18 CAN channels and 12 LIN channels.

If you had 3 PHYIO modules, you could have 24 analog inputs, 24 PWM IO, 6 channels of scope, etc.

Please contact us for more information:
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The neoVI PLASMA is architected to be fast! The FPGA moves data most efficiently to the connected PC or Linux System, or both by connecting data sources directly to data consumers and providing buffering. Two independent 64 Mbyte buffers are dedicated to just the FPGA. Also, the FPGA connects directly to its own Ethernet channel for connecting to data acq devices, XCP on Ethernet or Infotainment Ethernet. The FPGA can be dynamically reconfigured by the Linux PC or host PC at any time to focus its power on the application.

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Rev.01102012