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Find the *Intel / Wind River / EST VisionPROBE* at our website: ***Click HERE***

WindRiver

# visionPROBE

The visionPROBE "cable" provides hardware-assisted on-chip software debugging designed specifically for embedded systems software developers and testers.

I'd like more information

## Datasheet



**Flexible Connection** to your target system hardware from UNIX Workstations or Windows PC based platforms; remote operation over LAN is also supported.

**Fast Download!** Measured speed of 600 Kbytes/sec (BDM) and 100Kbytes/sec (JTAG). Speed you need* to cut development time!

For stable target systems or software development platforms equipped with ethernet hardware, such as our:

- Modular Development Platform
- Single Board Computers

the ***new!*** visionWARE utilities can also be used to load memory images.

In very large applications (VLA) the ability to use a TCP/IP network to "blast" a new application image to your target at LAN speed offers a substantial* leap in developer productivity.

* Consider the average number of re-link, load and go cycles that occur daily and the number of engineers performing this task.

**Target Hardware Control** [BDM/JTAG]:

- start/stop target processor
- set internal hardware and software breakpoints
- take a target snapshot
- reset the target
- step one statement / instruction into function calls
- step over a function call
- step out of a function

**RTOS Awareness**




visionPROBE is seamlessly integrated with both Tornado/VxWorks and pSOSystem providing a hardware-assisted High-Level Language source and machine-language debugging environment exposing machine state detail at: system, task and function levels.

API support for proprietary Real-Time Operating Systems.

Our RTOS API kit enables support of proprietary (non-commercial) and unsupported RTOSs by extending visionCLICK's functionality. It facilitates your ability to obtain detailed information on any RTOS object and automatically display the RTOS object in the visionCLICK Symbol Explorer Window.

PC configuration for non-IDE or non-networked users. As the native user-interface to visionPROBE you are afforded extended capabilities, such as:

**Statistical Performance Analysis** will graphically identify system bottlenecks and resource over-consumption. Profile your software's performance and view a symbolic display, either in chart or histogram format. Quickly identify what candidate functions which offer best return-on-investment by continuing algorithm optimization.

**Internal Register Configuration Utility -** Automatically configures SIM registers for you and offers a friendly way to quickly make changes. No need to consult a voluminous databook for bit definitions with our extensive on-line help. View example here.

and Production / Manufacturing / Test department(s). The need to socket Flash or pull and burn new revisions is eliminated.

**Built-in Hardware Diagnostics** - including a comprehensive suite of RAM tests, bus tests, scope loops, and CRC checks.

**Open Test API** supports writing custom production test and repair diagnostics.

## Processor Support

| SILICON VENDOR | PRODUCT | |
|---|---|---|
| | visionPROBE | visionPROBE-II |
| *MOTOROLA* | PowerPC®<br>5xx<br>6xx<br>7xx<br>8xx<br>PowerQUICC -I 860<br>PowerQUICC -II 8240<br>PowerQUICC -II 8260<br><br>ColdFire®<br>5202, 5204, 5206, 5206e<br>5307<br><br>CPU-32<br>68330, 68331, 68332,<br>68333, 68336, 68338,<br>68340, 68341, 68349,<br>68360, 68376, 68396 | PowerPC®<br>5xx<br>6xx<br>7xx<br>8xx<br>PowerQUICC -I 860<br>PowerQUICC -II 8240<br>PowerQUICC -II 8260<br><br>ColdFire®<br>5202, 5204, 5206, 5206e<br>5307 |
| IBM | PowerPC®<br>403GCX, 405GP | PowerPC®<br>403GCX, 405GP |

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