

» B3001 Platform BSP «

Device Debug - /home/jochbe/SAO_30/WRL302_USER/works	pace/b3001_std_ba_prj/build/kontron-b3001-apps-0101-r2/demos/wd_demo.c - Wind River Workbench			_ 2
Ble Edit Refactor Navigate Search Project Target Analy	ze Bun Window Help			
🖬 🗂 📾 🗿 4, 🔨 20 -] 🖘 Or 🗣	- \$\$• <- \$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$	\$ \$• \$•	2	
🌭 Project Explor 🥵 Debug Symb 📲 Project Navig 🙁 🗧 🛙	🛛 🗋 creation.log 🛛 🖲 kontron_b3001_64_fs_s 🛛 🖽 kontron_b3001_64_fs_s 👘 wd_demo.c 🗃 🖓	🗖 🏶 Debug 😫		- (
0 0 Q B \$ # # ***				
kontron b3001 64 fs cgl (Wind River Linux Platform 3.0	return 0;	****		
✓ Skontron_b3001_64_fs_std (Wind River Linux Platform 3.0)		▼ 9 wd_demo		
Kernel Configuration	int main(int argc, char** argv)			
III User Space Configuration	int rc;	✓		
🖞 buld-al	int c; char *opt route=NULL, *opt time=NULL;		nain[] - wd dei	
* export-sysroot	const char *dev_fname=default_devfname;		x0000003a0e	
The second second	int info = 0; int err = 0;	wd_der		16315
ternel build	rc = -1;	PE WU_OCI	10.2007	
kernel rebuild	if (argc == 1)			
Þ 🗁 .settings				
▷ Generation Parameters	<pre>v usage(); exit(0);</pre>			
Cproject	exit(0); }			
🕱 .project	/* Read program options */			
.wrproject	<pre>while ((c = getopt(argc, argv, "d:it:r:h?")) != -1) {</pre>			
Creation log	switch (c) { case 'd':			
Makefile	dev_fname=optarg;			
Makefile.wr	break; case 'i':	Breakpoints		s -
(III)	info = 1;	-6 breakpoints	www.variables.c	• _
📲 Remote Systems 😰 👘 🗖	break; case 't':			
* * * * * * * * * * * *		🐌 🕫 🖻 🎕	r 🗋 🏟 1	r x %
▼ El Local	break; case 'r':	Name	Type	Value
Wind River Registries	opt_route=optarg;	argc	int	1
b Scoal Files	break; case 'h':	⊅ argv	char **	0x0001
Local Shells	case '?':	rc	int	-1
WRLinuxUser_192.168.154.5 (Wind River Linux Platform 1	default: usage():	c	int	0
Vind River Target Debugger (Wind River Linux Platform	exit(0);	opt_route	char *	0x000
✓ ≫ Xeon-EM64T (Linux 2.6)		opt_time	char *	0x0000
✓	,	▶ dev_fname	char *	0x0001
acpid: 2465 [Interruptible]	/* Open the device */	info	int	0
 aio/0:317 [interruptible] 		err	int	0
 alo/1:318 [interruptible] 				
 aio/2:319 [Interruptible] 	법· = 💼 🔹 용 영 🕸 🖉 🖬 및 *			
 aio/3:320 [Interruptible] 		a		
 ata/0:190 [interruptible] 		=		
ata/2:191 [interruptible]		-		
		3		L.

B3001 Platform BSP for Wind River Linux

- » Off-the-shelf BSP for Wind River Linux
- » Supports Linux SMP
- » Fully integrated into the Wind River Workbench
- » Supports platform board specific devices
- » Supports AM5020, AM4020, CP6002, CP3002, CP3002-RC

B3001 Platform BSP

for Wind River Linux

The Kontron BSPs for Wind River platforms are designed to get customers started immediately with application development instead of first getting involved with BSP integration or hardware bring-up issues. Support of board specific devices and interfaces has been added to the BSP to achieve the full benefit of the functions provided by the hardware. The BSP is prepared to use the Wind River system diagnostic and debugging tools which are integral elements of the Wind River Workbench. Various methods for application deployment of the final system are supported. All boot devices can be used to load the kernel and the root file system. Tools to install a system for stand alone deployment are bundled with the BSP.

Technical Information		
Wind River Linux Platform	Platform for Network Equipment (Wind River Linux 3.0.2 / Wind River Linux 4) (Other platforms can be supported, please contact Kontron)	
Root File Systems	glib_cgl, glib_std	
Kernel Profiles	cgl, standard	
Multi Processing	Symmetric (SMP)	
Boot Devices	Network (PXE) MM-SATA Flash Disk SATA Hard Disk Off board USB Storage Device Compact Flash	
PCI Express®	Root Complex	
Ethernet	10/100/1000 BASE-T Gigabit Ethernet Interface	
Serial	RS232 without hardware handshake	
USB	Host Controller Interface	
IPMI	Sensor Reading System Monitoring Graceful Shutdown	
Miscellaneous Devices	Real Time Clock Hardware Watchdog (RESET, IRQ, TIMER, Dual-Stage) EEPROM for user data storage	
Mass Storage	MM-SATA Flash Disk SATA Hard Disk Off board USB Storage Device Compact Flash	
Board Status Indication	General purpose LED block	

NOTE: The feature list above represents a summary of functionalities supported by the platform BSP. Depending on the used Platform Board a subset of those features is available. For more information about implemented hardware features refer to the Platform Board Hardware Manual.

CORPORATE OFFICES

Europe, Middle East & Africa	North America	Asia Pacific
Lise-Meitner-Str. 3-5	14118 Stowe Drive	17 Building,Block #1, ABP.
86156 Augsburg	Poway, CA 92064-7147	188 Southern West 4th Ring Road
Germany	USA	Beijing 100070, P.R.China
Tel.:+49 (0) 821 4086-0	Tel.:+1 888 294 4558	Tel.: +86 10 63751188
Fax:+49 (0) 821 4086 111	Fax:+1 858 677 0898	Fax: +86 10 83682438
sales@kontron.com	info@us.kontron.com	info@kontron.cn