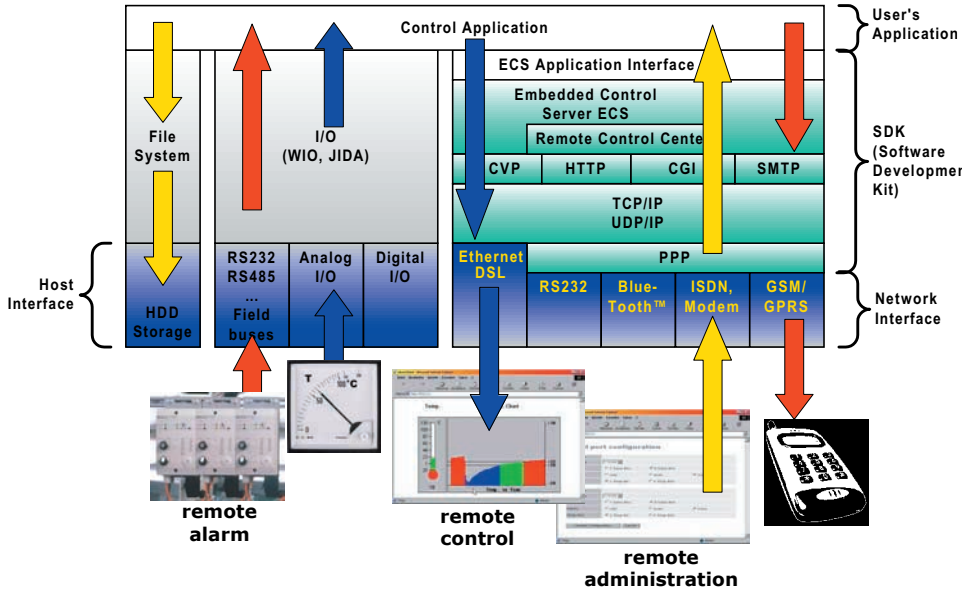
WEBtoNET





Easy Internet Connectivity for Embedded Solutions

- Control, monitor and manage embedded devices
- Send Emails to predefined addresses
- Exchange data with your application anywhere

kontron
... always a Jump ahead!

Product Overview

WEBtoNET is a web server software solution which allows you to control, monitor and manage embedded devices from any mainstream web browser.
It can serve static pages like any web server, but its prime function is to create and display dynamic HTML from information collected by sensors attached to the hardware. It is available now for embedded Linux and DOS, with versions for VxWorks and other operating system in development. The memory requirements are very low, so the hardware platform can be scaled down to smaller and cheaper systems.
Remote administration like file update is as easy as copying files with a file manager, indeed its nothing else. In case of emergency or for notification purposes, WEBtoNET allows you to send Emails to predefined addresses.
The Software Development Kit (SDK) allows the creation of a WEBtoNET image, which runs immediately on Kontron DIMM-PC® and comes optionally with 100 software runtime licenses.
As a ready-to-go system, Kontron offers different starterkits for nearly all purposes, consisting of a small server box with all the software and supported hardware preinstalled. This allows a rapid development start and provides a stable and well tested hardware platform. The basic hardware comes from the DIMM-PC® product line. The CPU core is a 486SX or 386SX processor which enables application programming with standard PC software. The system is accessible via various I/O ports such as 10Base-T or RS-232. With five digital inputs and eight relay outputs, the WEBtoNET starterkit is already best suited for small control tasks. Examples for I/O programming are stored on internal flashdisk and make software development startup very easy. With WEBtoNET you are able to exchange data with your application anywhere via Internet today.
With WEBtoNET you are

...always a Jump ahead!

Technical Data

- Embedded Control Server (ECS) plus Email for DOS or LINUX Includes
  - Tools for remote administration like browser based file manager
  - Innovative Control Variable Protocol (CVP) for dynamic data exchange
  - Email alert via SMTP
  - Integrated TCP/IP stack
  - SSI (Server Side Include)
  - HTTP 1.0
  - CGI
  - Low memory requirements/small footprint (60 kBytes)
- Software Development Kit (SDK) includes
  - Software libraries for designing own applications
  - Graphical Java applets including sliders and buttons
  - 100 runtime licenses optional
- Starterkit with preinstalled software includes
  - DIMM-PC®
  - RS232C interface
  - 10 MBit Ethernet interface
  - ISDN module optional
  - 8 relay outputs
  - 5 digital inputs
  - Attractive housing
  - DRDOS or LINUX preinstalled
  - ECS plus Email preinstalled
  - ready-to-go

Article	Part.-No.	Description
WEBtoNET/SDK1	96502-0000-00-0	Embedded Control Server (incl. Email) V2.0 SDK for DRDOS and LINUX, no runtime licenses included
WEBtoNET/SDK2	96502-0007-00-0	Embedded Control Server (incl. Email) V2.0 SDK for LINUX, no runtime licenses
WEBtoNET/LDE1	96502-0004-00-0	License for Embedded Control Server (incl. Email) V2.0 for DRDOS, with Ethernet support
WEBtoNET/LDI1	96502-0005-00-0	License for Embedded Control Server (incl. Email) V2.0 for DRDOS, with ISDN support
WEBtoNET/LLC1	96502-0006-00-0	License for Embedded Control Server (incl. Email) V2.0
		for LINUX, with Ethernet and ISDN support
WEBtoNET/SK1	12001-0000-04-1	Boxed stand alone webserver, 10 MBit Ethernet, CPU 386SX,
		2 MByte DRAM, 8 MByte IDE-Flash, with I/O interface card,
		with power supply, DRDOS and ECS preinstalled
WEBtoNET/SK2	12001-0000-04-2	Boxed stand alone webserver, ISDN, CPU 386SX, 2 MByte DRAM,
		8 MByte IDE-Flash, with I/O interface card, with power supply, DRDOS and ECS preinstalled
WEBtoNET/SK3	12001-0000-08-1	Boxed stand alone webserver, 10 MBit Ethernet and ISDN,
		CPU 486SX, 16 MByte DRAM, 16 MByte IDE-Flash,
		with I/O interface card, with power supply, LINUX and ECS preinstalled
WEBtoNET/BE1	12001-0000-00-1	Baseboard for one DIMM-PC CPU and one DIMM-PC/ETN 10 MBit Ethernet module
WEBtoNET/I1	12001-0000-09-0	I/O-Interface for WEBtoNET/BE1, 5 TTL digital inputs, 8 relay outputs
WEBtoNET-DOC	96035-0086-00-0	Manual for WEBtoNET/SK1-3 starterkit (12001-0000-0x-x)
ECS-DOC	96035-0100-00-0	Manual for ECS software (96502-000x-00-0)

US/ Canada
6260 Sequence Drive
San Diego, CA 92121-4371

Tel.: (858) 677-0877
Fax: (858) 677-0898

sales@us.kontron.com

Europe, Middle East & Africa
Brunnwiesenstr. 16
94469 Deggendorf - Germany

Tel.: +49 (0)991/ 370 24-100
Fax: +49 (0)991/ 370 24-102

WEBtoNET@kontron.com

Asia Pacific
5F-1, 341, Sec 4, Chung Hsiao E.
Rd, Taipei, Taiwan

Tel: +886 2 2781 5791
Fax: +886 2 2741 7379

sales@kontron.com.tw

kontron
... always a Jump ahead!

#WEBtoNET-030212
All data is for information purposes only and not guaranteed for legal purposes. Subject to change without notice. Information in this datasheet has been carefully checked and is believed to be accurate; however, no responsibility is assumed for inaccuracies. All brand or product names are trademarks or registered trademarks of their respective owners. DIMM-PC® and JUMPtec® are registered trademarks of Kontron Embedded Modules GmbH, Germany.