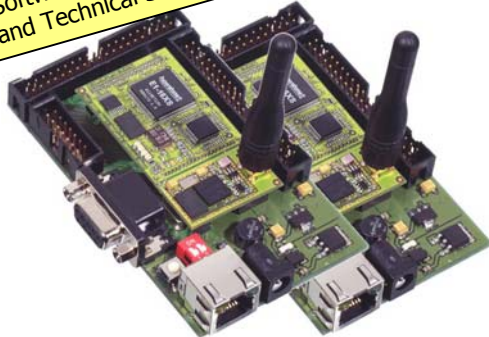


**Complete Evaluation Set**  
 Hardware, Software, Tools, Demos  
 Licences and Technical Support



## Description

This Kit offers a fast and cost-effective way to develop wireless networking applications using Bluetooth wireless communication technology and Ethernet, based on SND's Micro BlueTarget™ single board network computer with a board outline of just 3.2 x 5.9 cm

The Kit includes everything needed to operate a wireless-to-wired communications router. It is typically operated as the counterpart to Bluetooth-enabled mobile phones, PDAs or PCs. Using standard Bluetooth communication profiles (SPP, DUNP or LAP) not only cables can be replaced. Virtually any device or network connected to or based on the Micro BlueTarget board is in reach and under control of a mobile user. The Micro BlueTarget is a true building block for a wireless infrastructure.

The Network Operating System HyNetOS™ offers a Protocol Manager, a File Manager, a Device Manager with a Hardware

Abstraction Layer (HAL), a complete Bluetooth Host Protocol Stack and various related system functions.

## Kit Editions

The Kit comes complete with hardware, HyNetOS operating system software including several extensions as well as all required development and administration tools. It is available in 3 different editions (refer to table below).

In the **Java Edition** only Java Programming is possible, the HyNetOS operating system environment is shipped as ROM code only (the OS can not be rebuild). Java Application code is developed on the PC and transferred to the target system via FTP file transfer.

The **Base Edition** is offered for entry-level C Programming on SND's Micro BlueTarget board. All C-Tools are included and the HyNetOS operating system can be rebuild using SND's standard driver library targeting the Micro BlueTarget board.

The **Professional Edition** combines the options of both the Java and Base Edition, so applications can be programmed in Java or in C. Even more, all device drivers are supplied in source code, new device drivers can be added and the OS can be adapted to support ANY customer specific hardware. Even the hardware itself can be redesigned, since also schematics of SND's Micro BlueTarget board are supplied in this edition.

The Base and Professional Editions run on any PC with Win98/ME/NT/2000/XP and Ethernet Adapter Card. A Java2 Standard Edition (J2SE) SDK from Sun Microsystems v1.4 or newer (available for free via Internet) is required to run some parts of the Client/Server demo software and for Java programming. The Java Edition also runs on non-Windows platforms providing a Java2 Standard Edition SDK.

	Hardware <sup>1)</sup>						Operating Software						Tools				Documentation								
	Micro WebTarget2	Micro BlueTarget	Carrier Board - Shuttle2	RS232 Level Shifter	Internat. Power Supply	Set of Cables	HyNetOS Base Version						C-Compiler	Assembler	Linker	Library Manager	C-Debugger	Administration Tools	C-Programming Guide	C-API Reference	Java Programming Guide	Java API Reference	Device Driver Sources	Hardware Schematics	
						I*Target Client	I*Target Server	I*Target Dial Line	I*Target Router	J*Target CLDC	W*Target Blue														
<b>Java Edition</b>	-	2	2	2	2	2	Only as ROM Version						-	-	-	-	-	✓	-	-	✓	✓	-	-	
<b>Base Edition</b>	-	2	2	2	2	2	✓	✓	✓	✓	✓	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-
<b>Professional Edition</b>	-	2	2	2	2	2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

1) see separate flyer "Reference Board Overview"

2) see separate flyer "HyNetOS Overview"

## Licensing

The kit price includes permanent licenses for Hyperstone's real-time kernel hyRTK and development tools as well as an Evaluation License for HyNetOS™ Base Version with all Extensions (as listed above) including 1 year of technical support and 1 year of update service. Up to 10 development seats can be equipped with this license. For serial products based on HyNetOS an upgrade to any of the production license

levels is required. The licence policy is based on a royalty system.

## Additional Information

Please refer to the separate flyers, **Reference Board Overview** and **HyNetOS Overview** for more detailed technical information about the Micro BlueTarget Single Board Network Computer and its operating system HyNetOS.