

SoM-NE64 Development

Networking Support

Full TCP/IP StackYes

IPv4 Yes

ARP Yes

UDP Yes

TCP Yes

ICMP Yes

SMTP Yes

POP3 Yes

BOOTP Yes

DHCP Yes

TFTP Yes

TELNET Yes

HTTP Yes

The SoM-NE64 comes complete with uIP (<http://www.sics.se/~adam/uiip/>) TCP/IP stack integrated into FreeRTOS (<http://www.freertos.org>)

). This combination provides a powerful full featured framework on which to build applications. The RTOS, Stack, and I/O libraries are all provided for free with the purchase of the SoM-NE64 module and Carrier board.

EMAC also provides a Free Eclipse IDE that is pre-integrated to provide everything the user needs for developing SoM-NE64 applications. All the compiling, converting and downloading inherent to SoM-NE64 development can be done from one easy to use high level interface. The distribution provides an SDK for the EMAC SoM-100ES and SoM-NE64M which contains source examples for the Interrupt Driven Keypad, LCD, Digital I/O ports, A/D, D/A, SPI, SD/MMC, and Modem.

The EMAC Eclipse IDE is a powerful, yet flexible Integrated Development Environment for the SoM-NE64 and even features CVS version control support.

EMAC, also provides driver and project support for Codewarrior. There is a free "Special Edition" version of Codewarrior available for the

with great source-level debugging capabilities.

Source URL: <https://www.emacinc.com/som-ne64-development>