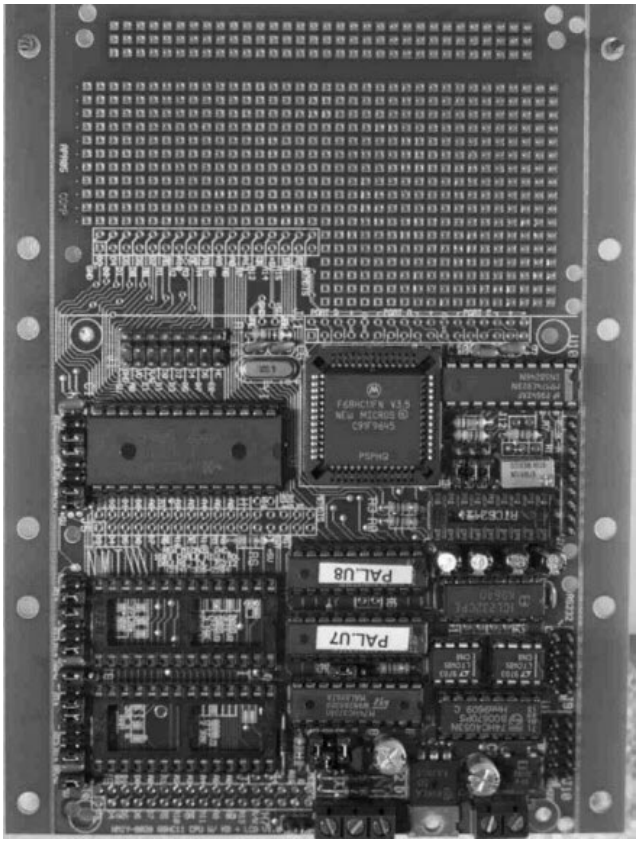
NMIY-0020

The NMIY-0020 is the F68HC11-based CPU board.

FEATURES

F68HC11™ CPU

Max-FORTH™ built-in programming language
231 predefined words in the language
3 parallel ports
1 Asynchronous Serial Ch. RS-232,422, or 485
1 Synchronous Serial Channel, TTL
8-channel, 8-bit A/D
8-bit counter
16-bit timer
3 input captures
5 output compares
1/2K EEPROM
Real Time Clock RTC62421
8K RAM
64K address space
Intelligent LCD interface
4x5 Keypad interface
Three 28-pin JEDEC memory sockets
Flexible address decoding, socket assignments
On-board Power Supply circuits: 7-18VAC input
Battery backup circuits for memory (**Optional**)
Up to three 34-pin JEDSTACK™
Vertical Stacking Connectors (VSC) (**Optional**)



The NMIY-0020 is a complete system, ready to develop, or run, dedicated applications. Simply plug in a +/- 5v. wall transformer, attach a host RS-232 port, and begin programming. Then, the user program can be added to its internal EEPROM, or its battery backed RAM, or by a user-supplied ROM/EPROM/EEPROM.
The system is compatible with the New Micros NMIX, NMIT and NMIS/L series peripherals. The VSC's have the same pinouts on all versions. The 28-pin JEDEC memory sockets accept various memory devices. Refer to the figure at the left.

Smart terminals, or personal computers with communications packages, can download source code to the NMIY-0020 via RS-232 ports. Interactive code development on the target system gives fast and efficient debugging. The built-in language gives machine level access.

The NMIY-0020 makes a very cost effective solution as target systems with LCD and Keypad interfaces, particularly when small size, CMOS low power, and ease of development are required. Few single board computer offers so many features in such a small space. High Level Language support offers resident FORTH and, BASIC and Assembly Language. FORTH and C cross compilers and cross assemblers are also available.