

## PRESS RELEASE

### **Programmable “Drop-In” Module Allows Very Simple System I/O Connection**



Focus EDL announces Tibbo's EM1000 BASIC-programmable Embedded Module which has been designed to give system board designers the ability to connect all I/O components to 1000BaseT Ethernet by simply including the module on the I/O board. According to Focus EDL's Managing Director Geoff Philpot, the new module can significantly reduce system design time and component count in all types of system types including access control, safety, automation, data collection or similar.

“Serial ports, sensor inputs, relay outputs, card readers and so on can all be connected to the module with few or no additional components.” Says Philpot. The EM1000 interfaces directly to 1000BaseT Ethernet magnetics and features optional ports for future wireless extensions, such as ZigBee and WiFi. Most importantly, it can be programmed in BASIC.” He adds.

To deliver the performance of today's demanding real-time applications, the EM1000 provides 50 MIPS of processing power, 100BaseT Ethernet and high-speed UARTs (at up to 2Mbps), while the multi-process TiOS operating system ensures operational stability and responsiveness not always found even on larger and much more expensive systems.

The EM1000 is programmed using an event-driven, object-based version of BASIC. A single PC application is used for code editing and cross-debugging that does not rely on any additional hardware.

Other features include 256/512/1024K flash disk, real-time clock with battery, high-speed parallel slave port, 50 general purpose I/O lines and built-in webserver.