

G120 Module

Part #: G120B-SM-373



Description



**Prices and specifications are subject to change.
Expected availability September 2012.**

G120 is a small (26.67 mm x 38.1mm) system-on-module hosting a 120Mhz. ARM Cortex-M3 Processor with 4.5MB Flash and 16MB RAM that runs Microsoft .NET Micro Framework. GHI Electronics's SoMs include a premium library that extends the NETMF core with many GHI-exclusive features. Our [offers page](#) details the premium library.

All you need is 3.3V and some connections to bring the latest technologies to your products. There is no additional licensing or fees. All development tools and SDKs are provided freely.

Key features:

- Processor: NXP LPC17xx Cortex-M3 120MHz
- RAM: 16MBytes
- Flash: 4.5MBytes
- Embedded LCD Controller
- USB Host/device
- 4-bit SD card interface
- 81 GPIO
- SPI, UART and I2C
- CAN
- Analog ports
- PWM
- Full TCP/IP with Ethernet, WiFi or PPP (cellular) support
- Runs Microsoft's .NET Micro Framework with GHI's premium libraries
- Dimensions: 1050mil x 1500mil (26.67 mm x 38.1mm)

Environmental:

- RoHS compliant /Lead-free compliant.
- Operating temperature: -40°C to 85°C

Visit [Microsoft's .NET Micro Framework](#) for more details on this technology.

Related products



[RS9110-N-11-21-01 WiFi module](#)

Redpine Signal's RS9110-N-11-21-01 WiFi Module with Integrated Antenna.



[RS9110-N-11-22-04 WiFi module](#)

Redpine Signal's RS9110-N-11-22-04 WiFi Module with Integrated Antenna.



[RS9110-N-11-22-05 WiFi module](#)

Redpine Signal's RS9110-N-11-22-05 WiFi Module with uFL connector for external antenna