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G120 System on Module

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Part # **G120B-SM-373** ● In Production

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▼ Overview

The G120 System on Module (SoM) is a powerful, low cost surface mount SoM running the .NET Micro Framework ([NETMF](#)) technology. It is programmed using Microsoft's Visual Studio using C# or Visual Basic which allows developers to take advantage of the extensive built-in NETMF libraries and [our added extensions](#). There are no additional licensing fees and all development tools and SDKs are included.

Installation software and common resources are found on the [NETMF support](#) page.

Processor	120 MHz 32-bit ARM Cortex-M3
System Platform	.Net Micro Framework
User Available Flash	2.87 MB
User Available RAM	13.67 MB
GPIO	72
PWM	12
Analog In	8
UART	5
SPI	3
I2C	Yes
Networking	Ethernet TCP/IP, WiFi, and SSL
CAN	2
Analog Out	1
USB Client	Debugging Extended
USB Host	Yes
1-Wire	Yes
Real Time Clock	Yes
In-Field Update	Yes
Native LCD Controller	Yes
Supported Image Type	BMP, GIF, JPG
Memory Cards	Yes
File System	FAT16/FAT32
Operating Temp.	-40°C to +85°C
Dimensions	38.1 x 26.7 x 3.55 mm
Weight	3 g
RLP	RLP
RLP RAM Size	1 MB

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