WiFi Module
MC20WiFi

MC20WiFi Modules is an extension module for Nvis Microcontroller development platforms. The module has been designed for students and practicing engineers to gain invaluable practical experience on the principle and applications of microcontroller & Wi-Fi module. The object is to have a clear understanding of how Wi-Fi module is interfaced and controlled with microcontroller and PC. Wi-Fi modules are embedded solutions providing wireless end-point connectivity to devices.

Features

- Wireless communication via WiFi
- On board 6 GPIOs
- On board Signal indicator
- On board Reset switch
- On board Relay and LED Interface
- On board USB for PC & Microcontroller Interface
- On board +5V and +3.3V Supply
- Module can be used as standalone
- WiFi firmware up-gradation by using USB
- Expansion connectors for Microcontroller
- Every pin is marked in order to make the

Application

- Home Automation
- Home Appliances
- Security System
- Wireless Data logger
- Weather monitoring
- Sensor Networks
- Industrial wireless control

Technical Specifications

Indoor/Urban range	:	up to 30m
Outdoor line-of-sight range:		up to 60m
RF data rate	:	1-11 Mbps (802.11b)
Frequency	:	ISM 2.4 GHz
Digital input	:	2 switches
LED & Relay	:	1 no.
Power Supply	:	USB port & from Nvis 500X Series Microcontroller development platform
Operating voltage	:	5V DC
Operating temperature	:	0^0C to 85^0C
Interface	:	20 pin FRC cable compitable with Nvis 500x series development platform
Dimensions (mm)	:	W 175 x D 130 x H 28
Weight	:	220 gms (approximately)
Package contains	:	WiFi dongle-1no.
		Patch cords-5nos.
		20pin FRC cable-1no.
		USB cable (A to B type)-1no.

Note: This module is compatible with Scientech 620X Series and Nvis 5001A/2/3/4B/5 Series Microcontroller development platforms.

Subject to Change

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