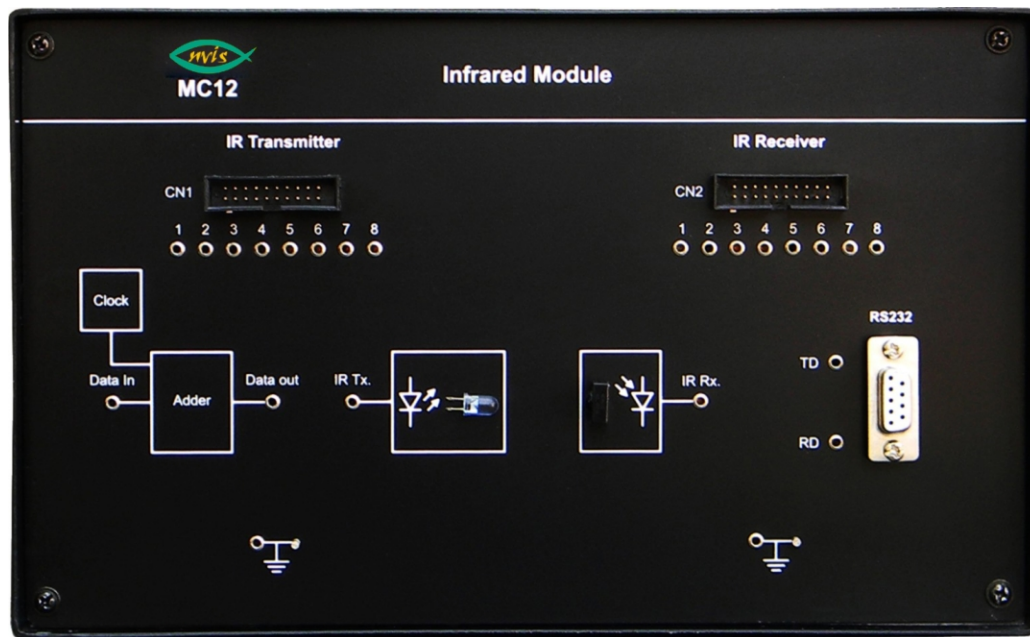




Infrared module

MC12



Nvis Technologies Infrared module, MC12 is an extension module for Nvis Microcontroller development platforms. The object is to have a clear understanding of how Infrared device can be interfaced and controlled with Microcontroller. Infrared module, MC12 has input and output terminals for connection of external real world applications.

Features

- Infrared Sensor interface
- PC based programming
- Expansion connectors for plug in with Microcontroller unit and prototyping area
- Every pin is marked in order to make work easier
- Input/output & test points provided on board

Note :

- This module is compatible with Sciencetech 620X Series and Nvis 5001A/2/3/4/4A/5 Series Microcontroller development platform.
- To run MC12 module with Nvis 5004, Add-on board is required.
- To run MC12 experiments, MC10 module is required.

Scope of Learning

Study of Wireless infrared communication technology
Data transfer from Microcontroller to PC using infrared
Data transfer from Microcontroller to Microcontroller using infrared

Technical Specifications

Infrared Transmitter	: IR LED
Infrared Receiver	: Direct TTL output
PC communication	: RS232
Baud rate	: 2400 bps
Carrier Frequency	: 38 KHz
Power Supply	: From Sciencetech 620X Series and Nvis 500X Series Microcontroller development platform
Interface	: 20 pin FRC cable
Test point	: 2 nos.
Dimension (mm)	: W 255 X D 155 X H 80
Weight	: 280 gm (approx.)
Product Tutorial	: Online on www.Nvistech.com
Included Accessories :	
Patch cord	: 3 nos.
Serial cable DB 9	: 1 no.