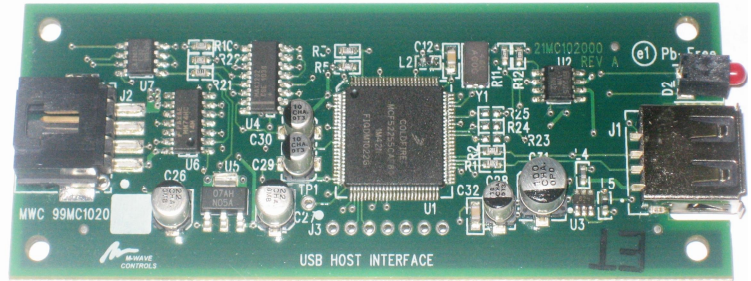# M-Wave Controls MC1020 USB Host Buffer

The MC1020 enables a typical microprocessor based equipment controller to interface to common USB Drives for the purpose of menu and status uploads and downloads and potentially allow for controller firmware updates. Communication from the buffer to the equipment controller can be accomplished by standard or custom communications protocol over RS-232, RS-485, or digital hardware.

Features:

- Update equipment controllers with USB Host capability

- Flexible buffer to controller interface via RS-232, and RS-485 half duplex, or digital

- Enable firmware updating of IAP microprocessor based controllers

- Can be customized to communicate with simple data protocols

- Menu upload and download from USB Drive

- Operates from 5V power

- On board LED indicates data transfer

- Low cost open board construction

- Small size, can be panel mounted

Specifications:

Input Voltage: 5VDC +/- 5%

Input Current: 125 mAmps maximum, exclusive of USB load; 625 mAmps maximum w/ full USB load

USB Mode: Full Speed, 12 Mb/S maximum

Application Data Rate: 28.8 Kb/S maximum

Operating Temperature: 0· 65° C

M-Wave Controls

100 High Grove Blvd.   Phone: (630) 318-1900, Fax: (630) 524-9008
Glendale Heights, IL 60139   Website: www.mwavecontrols.com
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