

FX/MX604

V.23 Compatible Modem

The FX604 is a CMOS integrated circuit for the reception and transmission of asynchronous 1200bps data in accordance with CCITT V.23 and ETSI specifications.

The device incorporates an optional Tx and Rx data retiming function that removes the need for a UART in the associated μC when operating at 1200bps. The device can disable the back channel or be operated so only the mark or space tone is produced. An optional line equaliser is incorporated into the receive path, controlled by an external logic level.

Features

- 1200/75 bps full duplex V.23 compatible modem with: optional 75bps back channel and 1200bps data retiming facility
- 3.58MHz Xtal/clock rate
- Optional line equalisation
- Conforms to relevant sections of V.23 and ETSI specifications

Applications

- Automatic meter reading: BT SIN 236 and 237
- Line powered telemetry
- Unattended security systems
- Telecommand systems
- Payphones: feature phones
- Vending machines
- Marine and amateur radio data

Supply Requirement

- 3.0 to 5.5V

With a low voltage requirement of 3.0V, and a low current 'sleep' mode (1mA typ), operating at a current of 1mA typ, the FX/MX604 is suitable for terminal and line powered applications.

A 3.58MHz standard Xtal/clock rate is required.



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United Kingdom
United States
Singapore

Tel: +44 (0) 1621 875500
Tel: +1 336 744 5050
Tel: +65 62888129

email: sales@cmlmicro.com
email: us.sales@cmlmicro.com
email: sg.sales@cmlmicro.com