

ZyXEL



Affordable cable modem for mass-market deployment at the residential level



- Download speed at up to 100 times faster than dial-up analog modem
- Support upstream data rates at up to 30Mbps
- DOCSIS 1.0/1.1/2.0 Compliant
- Front-panel LED Indicators for status monitoring
- User-friendly diagnostic features

Benefits

Multi-interface: USB and RJ-45

With the built-in RJ-45 Ethernet and USB interfaces, the ZyXEL P-971M is designed for home users. It provides clear front panel LED display, plug-and-play installation for the USB connection and CLI (Command Line Interface) diagnostic features.

Comply with DOCSIS 1.0/1.1/2.0

The ZyXEL P-971M is compliant with DOCSIS 2.0 to ensure capability with most cable provider's network environment. It is also backwards compatible with DOCSIS 1.1/1.0 standards

Ease-of-deployment in the residential market for MSO

The ZyXEL P-971M provides the MSO (Multiple Systems Operator) a solution with a truly plug-and-play Internet access connection for the home users.

User-friendly WebGUI

The ZyXEL P-971M offers an easy-to-use Web GUI for device management and monitoring. This provides home users a pleasant Internet access experience with no-hassle configuration.

Front panel LED display

The LED indicators on the front panel allow users to monitor the status and activity of the ZyXEL P-971M and help ensure that the modem is functioning properly. In addition, the MSO can use the LED indicators to perform basic troubleshooting for the users.

Hassle-free device management with SNMP v3

The ZyXEL P-971M supports SNMP v3 (Simple Network Management Protocol version 3) to allow users to obtain the device status, warning message and related information easily.

Cable Modem

P-971M

MODEM



Specifications

Standard Compliance

- DOCSIS 1.0/1.1/2.0 compliant
- IEEE 802.3u
- USB 1.1

Security

- BPI, BPI+
- DOCSIS Packet Filter

Management

- CLI (Command Line Interface) diagnostics Interface
- SNMP V1, V2 & V3
- Remote Status Monitoring
- Up to 32 Users (1 via USB and up to 31 via Ethernet or 32 users on Ethernet)

Hardware Specification

Downstream

- Operating Frequency Range: 88 MHz to 860 MHz
- Channel Bandwidth: 6 MHz
- Input Impedance: 75ohms (Nominal)
- Modulation: 64QAM or 256QAM
- Maximum Data Rate: 38 Mbps
- Symbol Rates:
 - 64QAM (5.069 Msym/s) 256QAM (5.361 Msym/s)
- Operating Level Range: -15 dBmV to +15 dBmV

Upstream

- Operating Frequency Range: 5 MHz to 42 MHz (edge to edge)
- Bandwidth: 200 KHz/400 KHz/800 KHz/1.6 MHz/3.2 MHz /6.4* MHz
- Output Impedance: 75 ohm (Nominal)
- Modulation: 8*/16/32*/64*/128* QAM or QPSK
- Maximum Data Rate: 30 Mbps**
- Symbol Rates: 160, 320, 640, 1280, 2560 and 5120* ksym/s
- Operating Level Range:
 - A-TDMA: +8 to +54 dBmV (32QAM, 64QAM)
 - +8 to +55 dBmV (8QAM, 16QAM)
 - +8 to +58 dBmV (QPSK)
 - S-CDMA: +8 to +53 dBmV (all modulations)

Environmental Specification

- Operating Temperature: 5°C ~ 50°C
- Operating Humidity: 10% ~ 90% RH
- 12VAC, 1A

Physical Specification

- 180(W) x 125(D) x 30(H) mm

Certification

- FCC, CE

* With A-TDMA or S-CDMA enabled CMTS

** Speed of 30Mbps is attainable only with A-TDMA or S-CDMA technology.

For more product information, visit us on the web www.ZyXEL.com

Corporate Headquarters
ZyXEL Communications Corp.
Tel: +886-3-578-3942
Fax: +886-3-578-2439
Email: sales@zyxel.com.tw
<http://www.zyxel.com>

ZyXEL Denmark A/S
Tel: +45 39 55 07 00
Fax: +45 39 55 07 07
Email: sales@zyxel.dk
<http://www.zyxel.dk>

ZyXEL France SARL
Tel: +33 (0)4 72 52 97 97
Fax: +33 (0)4 72 52 19 20
Email: info@zyxel.fr
<http://www.zyxel.fr>

ZyXEL Hungary
Tel: +36-1-336-1646
Fax: +36-1-325-9100
Email: info@zyxel.hu
<http://www.zyxel.hu>

ZyXEL North America
Tel: +1-714-632-0882
Fax: +1-714-632-0858
Email: sales@zyxel.com
<http://www.us.zyxel.com>

ZyXEL Russia
Tel: +7 (095) 542-8920
Fax: +7 (095) 542-8925
Email: info@zyxel.ru
<http://www.zyxel.ru>

ZyXEL Sweden A/S
Tel: +46 (0) 31 744 77 00
Fax: +46 (0) 31 744 77 01
Email: sales@zyxel.se
<http://www.zyxel.se>

ZyXEL Ukraine
Tel: +380 44 494 49 31
Fax: +380 44 494 49 32
Email: sales@ua.zyxel.com
<http://www.ua.zyxel.com>

ZyXEL Czech s.r.o.
Tel: +420 241 091 350
Fax: +420 241 091 359
Email: info@zyxel.cz
<http://www.zyxel.cz>

ZyXEL Finland Oy
Tel: +358-9-4780 8400
Fax: +358-9-4780 8448
Email: sales@zyxel.fi
<http://www.zyxel.fi>

ZyXEL Germany GmbH.
Tel: +49 (0) 2405-6909 0
Fax: +49 (0) 2405-6909 99
Email: sales@zyxel.de
<http://www.zyxel.de>

ZyXEL Kazakhstan
Tel: +7-327-2-590-699
Fax: +7-327-2-590-699
Email: sales@zyxel.kz
<http://www.zyxel.kz>

ZyXEL Norway A/S
Tel: +47 22 80 61 80
Fax: +47 22 80 61 81
Email: sales@zyxel.no
<http://www.zyxel.no>

ZyXEL Spain
Tel: +34 902 195 420
Fax: +34 913 005 345
Email: sales@zyxel.es
<http://www.zyxel.es>

ZyXEL UK Ltd.
Tel: +44 (0) 1344 303044
Fax: +44 (0) 1344 303034
Email: sales@zyxel.co.uk
<http://www.zyxel.co.uk>