



Enjoy **HUGE** savings on your phone bills!

LINKSYS®

A Division of Cisco Systems, Inc.

MNFSPA2100 VoIP Telephone Adaptor

The MNFSPA2100 VoIP Analogue Telephone Adaptor connects up to two standard telephones or fax machines to MyNetFone's Broadband phone service. It is inexpensive, easy to install and simple to use.

Ideal for residential and SOHO users, the MNFSPA2100 allows users to protect and extend past investment in telephones, conference speakerphones and fax machines while taking full advantage of the cost-saving benefits of Voice over IP.



- Stylish and compact in design
- Features two RJ-11 POTS (Plain Old Telephone Service) ports
- Interoperable with common telephony equipment like facsimile, voicemail, PBX/KTS and IVR systems
- Quality of Service (QoS) router
- Line hunting
- Fax over IP

MNFSPA2100 – High quality product; High quality service

- >>> **Multi award** winning service
- >>> **Mega savings** on calls
- >>> **Plans from \$0** per month
- >>> **FREE calls** between MyNetFone users
- >>> **FREE** technical support
- >>> **FREE** voicemail box
- >>> **No** lock-in contracts
- >>> **No** minimum spend
- >>> **No** connection fees
- >>> **Real-time** accounts web portal



TECHNICAL SPECIFICATIONS

DATA NETWORKING

- MAC Address (IEEE 802.3)
- IPv4 – Internet Protocol Version 4 (RFC 791) upgradeable to v6 (RFC 1883)
- ARP – Address Resolution Protocol
- DNS – A Record (RFC 1706), SRV Record (RFC 2782)
- DHCP Client – Dynamic Host Configuration Protocol (RFC 2131)
- DHCP Server – Dynamic Host Configuration Protocol (RFC 2131)
- PPPoE Client – Point to Point Protocol over Ethernet (RFC 2516)
- ICMP – Internet Control Message Protocol (RFC 792)
- TCP – Transmission Control Protocol (RFC 793)
- UDP – User Datagram Protocol (RFC 768)
- RTP – Real Time Protocol (RFC 1889) (RFC 1890)
- RTCP – Real Time Control Protocol (RFC 1889)
- DiffServ (RFC 2475), Type of Service – TOS (RFC 791/1349)
- VLAN Tagging – 802.1P
- SNTP – Simple Network Time Protocol (RFC 2030)
- Upload Data Rate Limiting – Static and Automatic
- Voice Packet Prioritization Over Other Packet Types
- Router or Bridge Mode of Operation (Pending)
- MAC Address Cloning
- Port Forwarding

VOICE GATEWAY

- SIPv2 – Session Initiation Protocol Version 2 (RFC 3261, 3262, 3263, 3264)
 - SIP Proxy Redundancy – Dynamic via DNS SRV, A Records
 - Re-registration with Primary SIP Proxy Server
 - SIP Support in Network Address Translation Networks – NAT (incl. STUN)
- Secure (Encrypted) Calling via Pre-Standard Implementation of Secure RTP
- Direct IP to IP Calling
- Codec Name Assignment
- Voice Algorithms:
 - G.711 (A-law and mu-law)
 - G.726 (16/24/32/40 kbps)
 - G.729A
 - G.723.1 (6.3 kbps, 5.3 kbps)
- Dynamic Payload
- Adjustable Audio Frames Per Packet
- Fax Tone Detection Pass-Through
- Real Time Fax via T.38 (Pending)
- Voice Band Data Modem Support (Pending)
- DTMF: In-band & Out-of band (RFC 2833) (SIP INFO)
- Call Progress Tone Generation
- Jitter Buffer – Adaptive
- Frame Loss Concealment
- Full Duplex Audio
- Echo Cancellation – (G.165/G.168)
- VAD – Voice Activity Detection w/ Silence Suppression
- Attenuation / Gain Adjustments
- Flash Hook Timer
- MWI – Message Waiting Indicator Tones
- VMWI – Via FSK
- Polarity Control
- Hook Flash Event Signaling
- Caller ID Generation (Name & Number) – Bellcore, DTMF, ETSI
- Music on Hold Client
- Streaming Audio Server – Up to 10 Sessions

PHYSICAL INTERFACES

- One RJ-45 Port - WAN Ethernet 10baseT Interface (IEEE 802.3)
- One RJ-45 Port - LAN Ethernet 10baseT Interface (IEEE 802.3)
- Two RJ-11 FXS Ports - For Analog Circuit Telephone Device (Tip/Ring)

SUBSCRIBER LINE INTERFACE CIRCUIT (SLIC)

- Ring Voltage: 40 - 55 V RMS Configurable
- Ring Frequency: 10Hz - 40Hz
- Ring Waveform: Trapezoidal and Sinusoidal
- Maximum Ringer Load: 3 REN
- On-hook/off-hook Characteristics:
 - On-hook voltage (tip/ring): -50 V NOMINAL
 - Off-hook current: 25 mA min
- Terminating Impedance: Eight Configurable Settings Including:
 - North America 600 ohms, European CTR21

POWER SUPPLY

- Switching Type with Modular Wall Plug Clip – Country Specific
- DC Input Voltage: +5 VDC at 2.0 A Max.
- Power Consumption: 5 WATTS
- Power Adaptor: 100-240v – 50-60Hz (26-34VA) AC Input, 1.8m cord

INDICATOR LIGHT

- LAN Activity/Link LED on Each Ethernet Port
- Status LED (Provisioning, Alert, etc.)
- Phone 1, Phone 2 LED (In-Use, Registered, Alert)

OPERATING TEMPERATURE

- 5 to 45° C (41 to 113° F)

STORAGE TEMPERATURE

- -25 to 85° C (-13 to 185° F)

RELATIVE HUMIDITY

- 10 to 90% non-condensing, operating and non-operating

UNIT DIMENSIONS / WEIGHT

- 102mm x 124mm x 28mm (4.02in x 4.88in x 1.10in) / 490g (1.08 lbs)

PACKAGE CONTENTS

- MNFSPA2100 VoIP Telephone Adaptor
- 5V Power Adaptor
- RJ-45 Ethernet Cable
- MNF Welcome Guide
- Quick Installation Guide

WARRANTY

- One Year Hardware

