

NETAIR 400

4G ROUTER



OVERVIEW

NetAIR 400 Routers use high-speed 4G mobile networks to provide a robust, reliable, and cost-effective solution for your business.

NetAIR 400 series enables simple and fast configuration of business services, as well as greater agility in installation. The 4G access links can be used as a low-cost alternative in areas where terrestrial broadband services are expensive or unavailable.

Their redundancy and high-performance protocols make NetAIR 400 routers an excellent solution for businesses both as a backup element and as primary network gateway.

The main features of NetAir 400's are built-in, implying no need for additional hardware or software, thus allowing better cost-effectiveness and protection.

Firewall and IPSEC tunnels security features make the NetAIR 400 routers the ideal solution for businesses where data confidentiality is mandatory.

Whether in corporate internet access, M2M connectivity such as bank ATMs, IP cameras and telemetry systems, or for point-to-point access through a VPN, the NetAIR 400 routers are the perfect solution for applications requiring high availability, performance, security and lower costs.

KEY FEATURES

- ✓ 4G router with automatic redundancy
- ✓ 2 SIM card slots (one for primary connection and one for backup);
- ✓ Ready for 700MHz, 1800MHz, 2600MHz frequency bands.
- ✓ Works on 3G/4G with automatic handover of technologies
- ✓ Up to 300 Mbps download data rate over 4G mobile connection.
- ✓ Ipv4 and Ipv6 ready.
- ✓ High performance Ethernet router, supports advanced L3 services as BGP, VRRP and VRF
- ✓ H-QoS supports low latency queueing, and packets prioritization or marking
- ✓ Bandwidth monitoring policies and packets forwarding backup
- ✓ Stateful firewall

SPECIFICATIONS

INTERFACES

ETHERNET SFP INTERFACES

1 Gigabit optical/electrical Ethernet SFP port

Supports optical 1000 BASE-BX/LX/SX SFPs

ELECTRICAL ETHERNET INTERFACES

5 Gigabit Ethernet optical LAN ports, with auto MDI/MDIX via RJ-45 connector

Interfaces compliant with IEEE 802.3/802.3u/802.3ab

4G INTERFACES

2 female connectors for external antenna

2FF SIM card connectors

Diversity support (3G)

MiMo (4G)

Works on LTE-FDD, LTE-TDD, HSPA+, LTE, GSM/GPRS/EDGE (*see models*)

Automatic handover between technologies

PDP IPv4/IPv6/IPv4v6

FEATURES

ADMINISTRATION

DHCP Server (RFC2131, RFC2132), Relay (RFC1542) and Client (IPv4 and IPv6)

DNS Relay

Dynamic DNS

NAT (RFC 1631), supports NAT

IPv4 and IPv6, either dynamic or static addressing

DNS Proxy (RFC3596)

PPPoE client (RFC2516)

IPv4 on IPv6 and IPv6 on IPv4

MULTICAST

IGMPv1, IGMPv2 and IGMPv3

PIM-SM

ROUTING

IPv4 and IPv6 routing

Static routing

RIPv1 (RFC1058), RIPv2 (RFC2453), RIPv3 (RFC2080)

MD5 authentication of dynamic routes (RFC 1321)

Floating route using weight or object tracking

Routing between VLANs

OSPF (RFC2328) and OSPFv3 (RFC5340)

VRRPv3

BGP4

VRF light

SECURITY

Stateful packet inspection firewall

Advanced access lists for traffic control

Three level password authentication for accessing configuration mode

AAA authentication: TACACS (RFC 1492), TACACS+, RADIUS (RFC 2138, RFC 2139)

Packets filtering based on port number, interface, IP source and destination address, protocol, packet type, TCP flags;

VIRTUAL PRIVATE NETWORK (VPN)

IPSec protocols (RFC 2401)

GRE Tunnel Keepalive feature (RFC 2784)

3DES or AES Encryption

IKE key exchange (RFC 2409) and ISAKMP management (RFC 2408)

NAT-Traversal via UDP (RFC 3947)

Dead Peer Detection (DPD, RFC 3706)

L2TPv2

PKI Digital certificates: X.509

Manual PKI management with import of certificates or PKCS#12 packages via TFTP, FTP and HTTP

Automatic management (creation and renewal) of certificates via SCEP

QUALITY OF SERVICE (QoS)

Bandwidth dynamic allocation based on classes of services

Queueing strategy: FQ (Fair Queue), WFQ (Weighted Fair Queue), CBWFQ (Class Based Weighted Fair Queue) and LLQ (Low latency Queue)

Packets prioritization based on Differentiated Services (DiffServ)

Hierarchical Token Bucket (HTB)

Classification, marking and conformation of incoming traffic

Traffic classification based on: IP address and L3 and L4 protocols

5 QoS classes

Discard prioritization policy

CONFIGURATION AND MANAGEMENT

Asynchronous serial interface for command line configuration (CLI)

Telnet server or SSHv2 for both local and remote management

SNMPv1, SNMPv2 and SNMPv3 agents with support for MIBII (RFC1213), iFTable, proprietary MIBs and traps

Either local or remote import and export of configuration.

Firmware upgrade via FTP, TFTP or HTTP

NTP (RFC1305) with peers authentication

Syslog (RFC3164) for logging and alert of error events and messages

Debug and diagnosis tools

Firmware redundancy

Debug and diagnosis tools

Reset button for resetting to default settings

HIGH AVAILABILITY

Dual SIM with automatic switching between 3G/4G providers (*see models*)

Monitoring of network stability and of 3G/4G access health

Object Tracking system for checking link status, IP address, internet connectivity or routing

Static routes enabled through object tracking

MECHANICAL, ELECTRICAL AND ENVIRONMENTAL FEATURES

POWER SUPPLY

Embedded full range (93 to 253V AC) power source

ENVIRONMENT

Operating temperature: 0°C to 50°C

Relative humidity: up to 95% non-condensing

WEIGHT AND DIMENSIONS

Weight: 1.6Kg

H x W x D (mm): 43 x 320 x 158

AVAILABLE MODELS

NetAIR 400	WWAN Interface	Bands/Frequencies				GNSS	Peak Rate			Antennas and SIM Card			Ethernet Interfaces	
		LTE	WCDMA	GPRS/EDGE			LTE	WCDMA	GSM	Antenna Connector	Diversity(3G)/MIMO(4G)	Dual SIM	GbE (RJ45)	GbE (SFP)
5GR1GS-1LSA-2S-SAC	1	2100MHz(B1), 1800MHz(B3), 850MHz(B5), 2600MHz(B7), 900MHz(B8), 800MHz(B18), 800MHz(B19), 1500Mhz(B21), 700MHz(B28), TD-2600MHz(B38), TD-1900MHz(B39), TD-2300MHz(B40), TD-2500MHz(B41)	2100Mhz(B1), 850MHz(B5), 800MHz(B6), 900MHz(B8), 1700MHz(B9), 800Mhz(B19)		-	D/L 300Mbps U/L 50Mbps	D/L 21Mbps U/L 5,76Mbps	-	2	x	x	5	1	
5GR1GS-1LSA-2S-SAC-G					x									
5GR1GS-2LSA-2S-SAC	2	2100MHz(B1), 1800MHz(B3), 850MHz(B5), 2600MHz(B7), 900MHz(B8), 800MHz(B18), 800MHz(B19), 1500Mhz(B21), 700MHz(B28), TD-2600MHz(B38), TD-1900MHz(B39), TD-2300MHz(B40), TD-2500MHz(B41)	2100Mhz(B1), 850MHz(B5), 800MHz(B6), 900MHz(B8), 1700MHz(B9), 800Mhz(B19)		-	D/L 300Mbps U/L 50Mbps	D/L 21Mbps U/L 5,76Mbps	-	4	x	x	5	1	
5GR1GS-2LSA-2S-SAC-G					x									
5GR1GS-1WSC-2S-SAC	1		2100Mhz(B1), 1900Mhz(B2), 850Mhz(B5), 900Mhz(B8)	850Mhz, 900Mhz, 1800Mhz, 1900Mhz	-	-	D/L 7Mbps U/L 5,76Mbps	D/L 296Kbps U/L 236Kbps	1	-	x	5	1	
5GR1GS-1WSC-2S-SAC-G					x									
5GR1GS-2WSC-2S-SAC	2		2100Mhz(B1), 1900Mhz(B2), 850Mhz(B5), 900Mhz(B8)	850Mhz, 900Mhz, 1800Mhz, 1900Mhz	-	-	D/L 7Mbps U/L 5,76Mbps	D/L 296Kbps U/L 236Kbps	2	-	x	5	1	
5GR1GS-2WSC-2S-SAC-G					x									



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The information presented in this document is subject to change without prior notice.