



MATRIX NAVAN CNX200

Office-in-a-Box Solution for Small Businesses

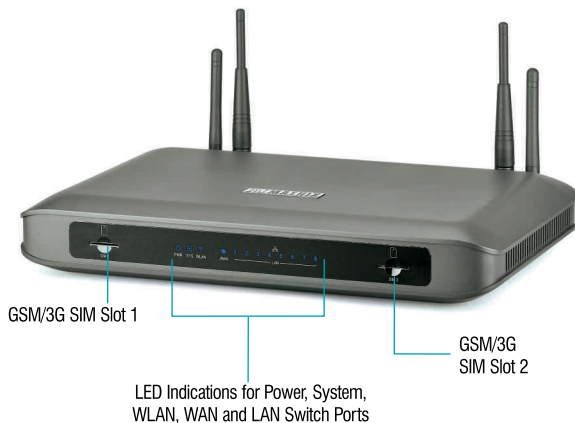
NAVAN CNX200 is a single box solution designed for small set-ups and branch offices with up to 24 users. It delivers office telephony, data networking, high-speed internet, wireless mobility, firewall security and VPN features in a compact and elegant single box. This eliminates the need to buy racks of equipment and deal with multiple vendors.

A true office-in-a-box, CNX200 redefines the way businesses communicate and manage infrastructure. Resulting into huge savings on future investments, maintenance & repair costs and expensive IT staff to manage separate voice & data networks.

ALL-IN-ONE OFFICE SOLUTION

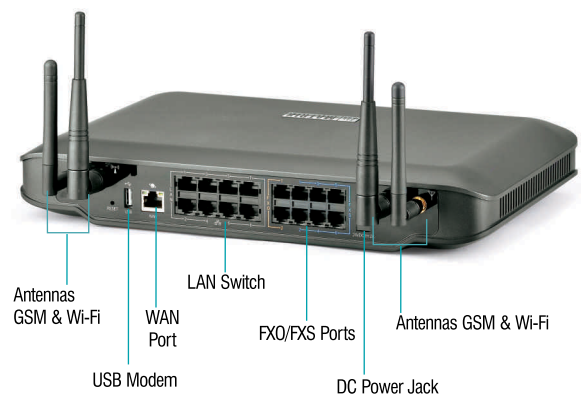
Small Business

CNX200 facilitates small offices and branch offices with business-class IP telephony, wireless mobility, high-speed internet, enhanced security and remote site connectivity from an affordable and easy to manage platform.



Service Provider

CNX200 integrates voice and data services together so that service providers can offer managed communication services and broadband internet over leased line or 3G/HSPA as a bundled solution.



SOLUTION OVERVIEW



VoIP Telephony

Get the power of business-class telephony features such as mobility, teleworking, voice mail, auto-attendant, shared lines, remote users, and web based management and lot more.



Data Networking

Consolidate wired and wireless data networks together using built-in Wi-Fi access point and 8 Port Ethernet Switch. Routing features such as port forwarding /triggering, NAT/STUN, DHCP Server, Static Route and QoS eliminates the need to install external data routers.



Internet Access

Ensure seamless business continuity with multiple options for internet connectivity. Ethernet, 3G/HSPA embedded modules and USB modems are supported with auto fall-back options.



Workplace Mobility

Enable wireless access to voice and data services on laptop, mobile handsets and tablets. With built-in Wi-Fi connectivity, users can access internet, make/receive calls using VoIP/GSM/POTS lines, share presence and IM while roaming anywhere in the office.



GSM/3G Connectivity

Benefit from the omni-present GSM/3G mobile networks to make cellular voice/VoIP calls, send SMS and access high-speed 3G Internet over mobile phones, laptops and PDAs.



Virtual Private Networking

Extend secure access to business applications and information with central offices and remote workers. Standards-based SSL/IPSec/PPTP/L2TP VPN is provided as built-in with site-to-site and remote access mode.



Mobile Softphone for Android/iPhone

Turn any iPhone and Android phone/tablet into office extension with specialized mobile softphone application. Access advance call management features such as dial by extension, caller ID, call hold, transfer, 3-way conference and voice mail on-the-go.



Flexible Phone Options

Empower users to stay in touch with business communications from device of their choice. Users can flexibly select from IP phones, PC softphones, analog phones and Android/iOS smartphones as office extensions.

TECHNICAL SPECIFICATIONS

TELEPHONY	
PRODUCT	DESCRIPTION
2/4 Analog Lines (FXO)	To Connect Analog Telephone Lines
4/6/8 Analog Users (FXS)	To Connect Single Line Telephones, Fax, PoS Devices
8 VoIP (SIP) Trunks	To Subscribe Services from 8 Different SIP/VoIP Providers
Up to 24 VoIP Users	8 Pre-activated, Another 16 with Licence Key. Matrix SPARSH VP248 IP Phones, SIP Phones, Android/iOS Softphone Application
Up to 2 GSM	To Make Voice Calls over Cellular GSM Networks Quad-Band GSM (850/900/1800/1900 MHz)
Up to 2 3G/GSM	To Make Voice/VoIP Calls and Access High-speed Internet over 3G/HSPA Networks Tri-Band 3G/HSPA (850/900/1800 MHz and 900/1800/2100 MHz)
Call Management	Call Hold/Transfer/Forward/Park/Conference, Toll Control, Class of Service, Account Codes, Hunt Groups, Day/Night Mode, Speed Dial and lot more.
VoIP-GSM-PSTN Gateway	Built-in Gateways for Call Routing between GSM, VoIP and POTS (CO) Lines

DATA NETWORKING	
LAN Switch	8 10/100 Mbps Switched LAN Ports
WAN Options (with Auto Fall-back)	Ethernet WAN - 1 10/100 Mbps WAN Port, 3G WAN - 2 3G/HSPA Modules (DL/UL – 7.2/5.76 Mbps), USB Modem Connectivity
Quality of Service (QoS)	Applications, DSCP, Destination/Source, MAC/IP
Advance Routing	Port Forwarding/Triggering, Static Route, DNS Proxy, MAC Address Cloning
Networking Protocols	TCP/IP, UDP, RTP, SNTP, NAT & STUN, DHCP, DNS, Dynamic DNS

MANAGEMENT	
Administration	Web based Remote Management (HTTP/HTTPS), System Engineer and Administrator Mode
Localization	Call Progress Tones, CLIP Variants, Impedance Matching, Time Zones, Day Light Saving, Date-Time Format
CDR Reports	12000 Call Records (Incoming, Outgoing, Internal) with Call Filters
LED Indications	Total 12 LEDs for Power, System, WLAN, WAN, LAN Switch Ports
Back-up	System Software, Call Detail Records (CDR) and Configuration
Languages Supported	English, Spanish, Portuguese, French, German, Italian

WIRELESS LAN (Wi-Fi)	
Standard	IEEE 802.11 b/g/n (2.4 GHz)
Security	WPA, WPA2
Wi-Fi Features	Wireless Multimedia (WMM), MAC Address Access Control Channel Width and Frequency Selection
Antenna Type	2 Omni-directional Antennas with Diversity

FIREWALL & SECURITY	
Firewall Protection	SPI Firewall, IDS & IPS, Block Ping/ICMP/IDENT, Port Scan Restriction, DMZ, MAC Address Filtering
Access Control & Content Filtering	Website blocking by URL and Keyword Block Destination by IP Address and Application Port
Certificate Management	Self-signed and Trusted Root Certificate Generation and Management

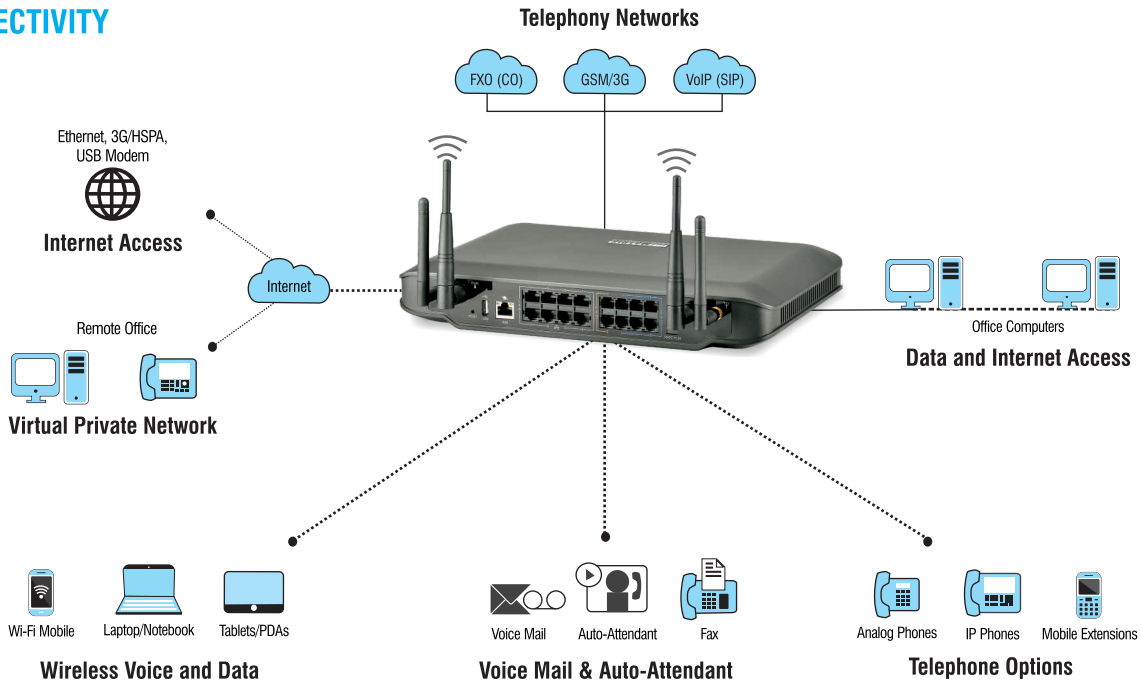
VIRTUAL PRIVATE NETWORKING	
Virtual Private Network	Remote Access, Site-to-Site
VPN Tunnelling Protocols	SSL(OpenVPN), IPsec, PPTP, L2TP Protocols
VPN Tunnels	Up to 60 VPN Tunnels
Encryption	Hardware based AES/DES/3DES, MPPE
Authentication	MDS, SHA-1
IKE Authentication	Pre-shared Keys, Digital Signature

VOICE MAIL	
Auto-Attendants	Greetings by Day, Night and Holidays, Attend 5 Callers at a time, 4 Graphs each with 64 Nodes
Number of Mailboxes	32 User and 5 Group Mailboxes
Greetings and Messages	Personalized Greetings for Mailbox Users
Unified Messaging	Voice Mail to Email Notification
Notification Alerts	Message Wait Lamp, Change in Dial Tone, Voice Message, LED Indication
Conversation Recording	Built-in 4GB Storage for up to 72 Hours Recording (Requires License Activation)

POWER SUPPLY	
External Power Adaptor	24V DC, 2 A
Power Consumption	20 W (Typical)

MECHANICAL	
Dimension (W x H x D)	320 x 51 x 200 mm
Installation	Wall Mount, Table-Top, Rack Mount
Unit Weight	Max. 1.25 kg (2.75 lbs)

CONNECTIVITY



ORDERING INFORMATION

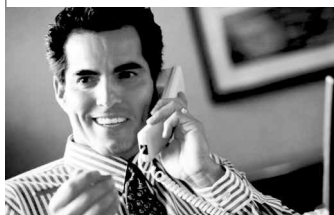
PRODUCT	DESCRIPTION
CNX244	4 FXO, 4 FXS, 8 SIP Trunks, 8 IP Users*, Wi-Fi, 1 USB and 8 LAN Switch Ports
CNX226 2G	2 FXO, 6 FXS, 8 SIP Trunks, 8 IP Users*, Wi-Fi, 1 USB, 8 LAN Switch Ports and 1 GSM Module
CNX226 3G	2 FXO, 6 FXS, 8 SIP Trunks, 8 IP Users*, Wi-Fi, 1 USB, 8 LAN Switch Ports and 1 GSM/3G Module
CNX226 2G2	2 FXO, 6 FXS, 8 SIP Trunks, 8 IP Users*, Wi-Fi, 1 USB, 8 LAN Switch Ports and 2 GSM Modules
CNX208 3G2	8 FXS, 8 SIP Trunks, 8 IP Users*, Wi-Fi, 1 USB, 8 LAN Switch Ports and 2 GSM/3G Modules
CNX200 VMS	License to Enable Voice Mail System
CNX200 IP8	License to Enable 8 IP Users
CNX200 SMS	License to Enable SMS Gateway Functionality

* Scalable up to 24 IP Users with CNX200 IP8 License



ABOUT MATRIX

Established in 1991, Matrix is a leader in Telecom and Security solutions for modern businesses and enterprises. An innovative, technology driven and customer focused organization; the company is committed to keep pace with the revolutions in the telecom and security industries. With around 30% of its human resources dedicated to the development of new products, Matrix has launched cutting-edge products like IP-PBX, Universal Gateways, VoIP Gateways and Terminals, GSM Gateways, Access Control and Time-Attendance Systems, Video Surveillance System and Fire Alarm Systems. These solutions are feature-rich, reliable and conform to the international standards. Having global foot-prints in Asia, Europe, North America, South America and Africa through an extensive network of more than 500 channel partners, Matrix ensures that the products serve the needs of its customers faster and longer. Matrix has gained trust and admiration of customers representing the entire spectrum of industries. Matrix has won many international awards for its innovative products.



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Due to continuous technology upgradations, product specifications are subject to change without notice.