![Pride Telecom Ltd. logo]

NS2200T-D4000   (ADSL for Annex-A/B/B-DT)

DECT +ADSL Modem + Upgradeable Wireless LAN Access Point + Broadband Router + 4 port Switching Hub

■ Product Descriptions

NS2200T-D4000 is the world first composite unit that integrated ADSL Modem, Access Point **(Upgradable)**, Broadband Router and DECT Base Station into a single unit. NS2200T-D4000 offers a complete all-in-one solution for a high speed ADSL service, wired and wireless networking of multiple computers and DECT phone with a single telephone line.

NS2200T-D4000 can be configurable as DHCP server and built-in VPN pass-thru and NAT provide the firewall for ultimate protection. NS2200T-D4000 is cost effective and ideal solutions for home and office networking both computer and DECT.

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■ Features and Benefits

Wireless LAN ADSL Router

- Upgradeable WLAN Access Point with an Intersil Prism chipset-based PCMCIA WLAN client card. [w/o PCMCIA Wireless LAN card]

- Built-in ADSL Broadband Router: enables to share a single IP address with multiple computers

- Built-in 4-port 10/100Mbps Switching Hub
  (Entire network package without additional hardware/software)

- Configurable as a DHCP server for the existing network

- Support private IPs such as ICQ, AOL, Napster, and MSN Messenger etc. - no limitation using P2P program on private network.

- Supports VPN (pass-through) and Firewall

- Web browser-based easy setup and support advanced System Management Console – CLI (Command Line Interface)

DECT Phone

- Menu driven user interface

- Supporting 6 languages

- Adjustable ringer volume and melody as well as receiver volume

- Up to 6 handsets registration to base unit

- Handset roaming by registration up to 4 base units

- Intercom call during external call

- Call transfer between handsets

- 3rd party conference call

- 4-digit PIN of handset and base unit

- Up to 8 digits auto code for registration

- On-hook dialing with editing

- Hand-Free Function

- DTMF/FSK dual CID mode

- PABX Access Code (Up to 4-Digits)

- Low-battery and out-of-range warning display

- 2AAA battery with 80-hour standby time and 8-hour talk time

■ Technical Specifications

DECT	CID	DTMF / FSK Dual Mode
	GAP compatibility	Yes
	Phonebook	40 entries (24 digits and 10 characters) with notebook function
	Last number redial	Last 10 entries, 20 digits
	Pre-dial	Yes
	Display	14-segment 10 digits / 10 symbols
	Handset	Up to 6 handsets to one base unit
	Handset operation	Up to 4 base units
	Handset connector	Yes
	Intercom	2 handsets with one on PSTN
	Adjustable ring tone	Yes
	Adjustable volume	Yes
	Key beep tone	ON/OFF
	Languages	6 languages
	Battery	2 rechargeable AAA Battery
	Separate charger	Yes
	Standby time	Approx. 80 hours
	Talk time	Approx. 8 hours
	Belt clip	Yes
	Block Numbers	5 blocked numbers with 8 digits
	Emergency Call	4 numbers with 10 digits
	Baby Call	Direct Call with 1 key
	Prefix	10 digits prefix
	Access Code	PABX Access Code
	Reset	Restore default values
	Operating range	Indoor – 50m, Outdoor – 300m
ADSL	Standards	ANSI TI.413 Issue2, ITU-T G.992.1(G.dmt), ITU-T G.992.2(G.lite) * Fully compliant to ADSL Interoperability Protocols ● Fully Support ANNEX A/B/**B-DT(UR-2)**
	Data Rate	Down Stream: 8064Kbps Max Up Stream: 820Kbps Max
	Protocol	- PPP over Ethernet for ATM (RFC2516) - PPP over AAL5/ATM (RFC2364) - IP over ATM (RFC225/1577) - RFC1483/2684 Bridge & Routed
	ATM Functionality	ATM Forum UNI 3.1 signaling AAL5, SAR
		VPI=0~255 and VCI=32-65536 address ranges
	Phone Connection	POTS(Twisted Pair Cable) : RJ-11
	Surge Protection	Surge Protector and Fuse built In
	Performance	See enclosed Test report.
Wireless AP (Upgradable Wireless LAN AP with an Intersil Prism-based PCMCIA WLAN Card)	Chipset	Intersil Prism chipset-based
	Network Mode	Access Point, WDS
	Data Rates	1, 2, 5.5, and 11 Mbps
	Interface Standard	IEEE 802.11b 2.4GHz ISM Band
	Frequency Band	2.412-2.462 GHz(N. America) / 2.412-2.472 GHz(Europe ETSI) 2.457-2.462 GHz(Spain) / 2.457-2.472 GHz(France) 2.412-2.484 GHz(Japan)
	Operation Channel	1~14 Channel
	Spreading & Modulation	DSSS, DBPSK@1M, DQPSK@2M, 5.5M, 11M@CCK
	Roaming	IEEE 802.11 Compliant
	Transmit Power	17dBm typical, 20dBm Max
	Receive Sensitivity	Typical(-85dBm)/Max(-82dBm) @11Mbps
	Security	64-bit/128-bit WEP Encryption
	Range*	Indoor : 40m @11Mbps / Outdoor : 150m @11Mbps
	Antenna	Internal Dual Diversity 2dBi Dipole Antenna
	Power consumption	TX (<350mA) / RX(<280mA)

Switching Hub	10/100Mbps Switching x 4 ports Fully compliant with IEEE 802.3/802.3u Support full duplex 802.3x flow control & Supports broadcast storm filtering function	
System Management	IP Protocol	Transparent Bridge (IEEE 802.1D)
		Routing Protocol (Static routing, RIP V.2)
		IP Sharing (NAT,ARP,DHCP)
	Management	WEB (Built in Web Server)
		CLI (Command Line Interface)
	Remote Control	Telnet
		Remote Download (TFTP)
		Reset AP with remote console (Telnet or SNMP)
	Wireless Security	Wireless Security (ESSID)
		Wireless Security (64/128bit WEP)
		Wired Security (ADSL:PAP/CHAP)
	ADSL Self-Diagnosis	Set ADSL Operation Mode
		Set/Modify/Delete of ATM PVC value
		Scan of Configuration Environment
		Display of ADSL UP/DOWN Transmit Rate / SNR Margin / ATM value
		Display of Vendor ID / Version Number
		Status of CPE
		Connection Status Test

* The operating environment may affect coverage.

** All specifications are subject to change without notice

■ Network Diagram using NS2200T-D4000 WDSL