

NOMADA IP W & NOMADA IP XL Portable Audio Codecs

Nomada IP W: portable audio codec with 2 audio inputs.

Nomada IP XL: portable audio codec with 4 audio inputs.



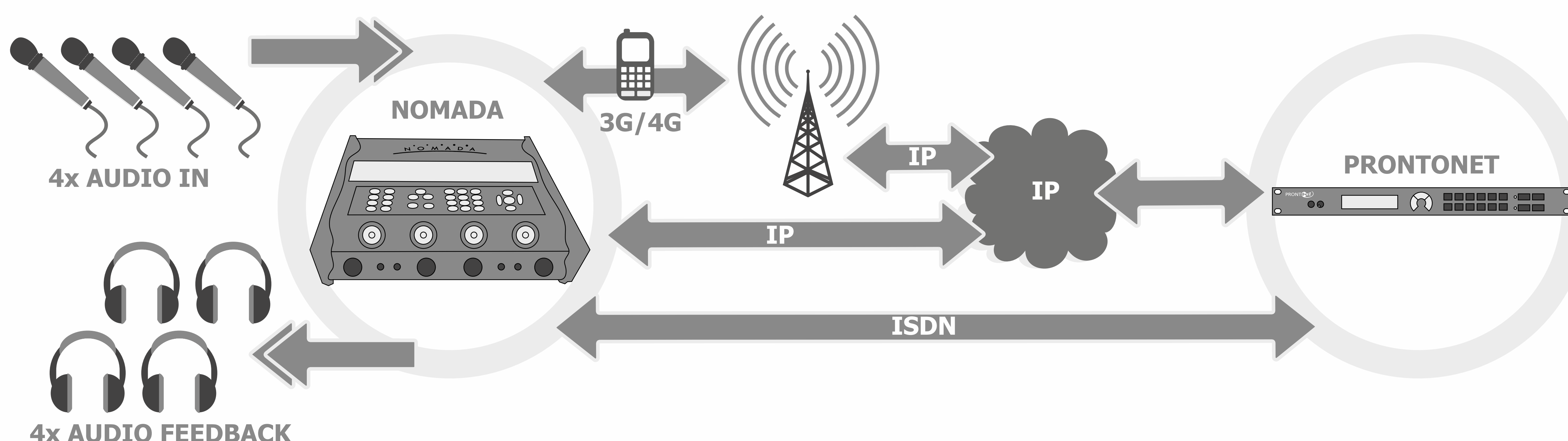
Nomada IP XL

Nomada IP family of full-duplex, dual (Program & Talkback) audio codecs works on **IP, 3G/4G, ISDN** and PSTN networks. Their new design is more **robust and compact**, including a flat control surface that prevents damage to the knobs and controls and that is **very easy to use**.

Nomada IP W and Nomada IP XL are portable audio codecs with all ProntoNet functionality built-in. They come fitted with an **inbuilt channel mixer** to route and mix both input sources and output destinations. Any audio and communication parameter -including input/output signal routing and levels- **can be remotely configured and controlled**. Presets make setup and use by non technical staff very easy.

Operation Features

- ✓ The unit can be **controlled locally** from its front panel, **or remotely** from its Web Page or from ProdysControlPlus.
- ✓ **Automatic detection** of the encoding mode used by the remote unit.
- ✓ **Independent encoding/decoding** operation.
- ✓ Call facilities: **Auto-redial**, call **scheduler** and log **systems**.
- ✓ **User Access Control** to define different access restrictions in a per user basis.
- ✓ **Configuration presets** to define different configurations for all or some specific parameters.
- ✓ **Alarms:** Real Time alarms management through **SNMP traps**, GPO and **e-mails**
- ✓ **Serial port** to transmit/receive ancillary data along with the audio.
- ✓ **GPIO port:** 2 inputs/outputs. User configurable with multiple functions such as remote contact closures.
- ✓ **Optional battery** with charge and status indications. It can be charged on system.



	NOMADA	
	IP W	IP XL
Mic/Line Inputs	2	4
Line Inputs	1	1*
Headpone Outputs	2	4
Aux. Line Outputs	2	2
MPEG AAC	optional	yes

* international sound



Nomada IP W

Audio Features

- ✓ Inbuilt **channel mixer** for both input and output sources.
- ✓ All Mic Lines include 48V **phantom power**.
- ✓ XLR connectors in Mic/Line inputs and Aux Outputs.
- ✓ 6,35 mm jack connectors in Headphone Outputs.
- ✓ Local or Remote control of levels and signals (I/O matrix).
- ✓ The various signals to monitor on the headphone and the auxiliary outputs can be set by web-interface.

✓ Audio Compression Algorithms

- OPUS
- G722, G711 A/μ Law
- MPEG 1,2 Layer II
- MPEG AAC LC, LD, HE & ELD (optional for Nomada IP W)
- Enhanced and Standard apt-X™
- PCM (16,20 & 24 bits)

Communications Features: IP,3G/4G and ISDN

- ✓ **Dual operation over IP and ISDN:** Program and Talkback lines.
- ✓ **IP**
 - 10/100BaseTx Ethernet port, RJ45 connector.
 - Fully **TCP/UDP/IP** connectivity.
 - **IP Multicast, Unicast** and **Multi-Unicast** audio streaming transmission/reception.
 - **IP Compatibility:** SIP/SAP/SDP/RTP/STUN according to N/ACIP EBU Tech 3326.
 - Prodys **NAT Traversal** Streaming Protocol permits router firewall pass-through.
 - **FEC** (Forward Error Correction) and **Error Concealment** to recover from packet losses.
 - **SolidStream by Prodys** allows streaming of STL-grade audio quality over inexpensive links.
 - Prodys **Real time Network Analyzer** to monitor critical network parameters in real time.
 - **Automatic Jitter buffer** to avoid audio dropouts, compensating for up to 10 seconds in the IP connection.
- ✓ **ISDN**
 - Built-in **ISDN** terminal adaptor with S/T and U interfaces. RJ45 connector.
 - **BackUp** System: ISDN as a secondary link for IP.
- ✓ **3G/4G** (optional)
 - Streaming over **3G/4G** networks via USB modem.
 - **SolidStream 3G/4G** allows two simultaneous streams over mobile telephone networks.

Dimensions

	Width	Height	Depth	Weight
Nomada IP W	212 mm	75 mm	205 mm	1.8 Kg
Nomada IP XL	280 mm	75 mm	205 mm	2.3 Kg

Portable audio codecs for
IP, 3G/4G and ISDN