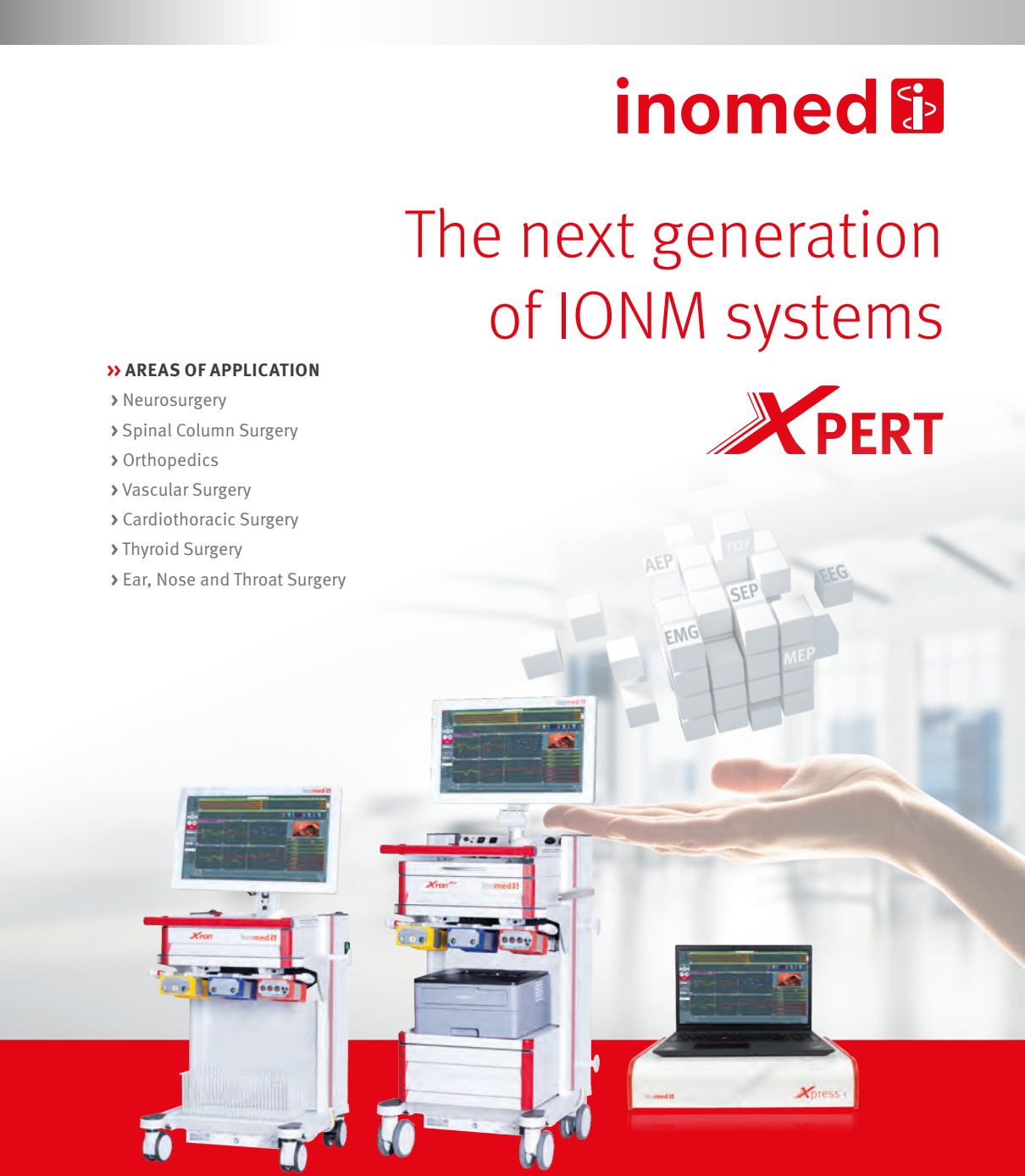
inomed

The next generation of IONM systems

XPERT

» AREAS OF APPLICATION

- Neurosurgery
- Spinal Column Surgery
- Orthopedics
- Vascular Surgery
- Cardiothoracic Surgery
- Thyroid Surgery
- Ear, Nose and Throat Surgery



The next generation of inomed IONM systems:
Maximum flexibility for demanding neuromonitoring



XPERT

›› Versatile
›› Highly configurable
›› Easy to use

The inomed system family

With the inomed system family, inomed offers a complete package of products for multimodal intraoperative neurophysiological monitoring. inomed systems offer outstanding performance, ease of use, flexibility and versatility. Users can choose between three different system options – **Xpert, Xpert plus and Xpress.**

Its modular structure and the ability to easily combine different Headboxes and Neurostimulators mean that the system can be individually configured for specific requirements, enabling multimodal intraoperative neuromonitoring.

Security by design:

›› **Integrated into a sturdy cart, making it highly robust and ensuring that all components are protected**
›› **Optimum surgical hygiene with wipeable mouse, keyboard and screen, and fanless panel PC**
›› **In-cart storage maximizes the life span of accessories**

XPERT plus

›› **Perfect for advanced neuromonitoring**
›› **Includes printer and video module**
›› **Ergonomic, height-adjustable monitor**



XPERT

›› **High-performance standard system for multimodal monitoring**
›› **Wide range of upgrade options**



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Xpress

- Easy to transport
- Space-saving
- Highly configurable



Flexibility by size:

- Portable IONM system with lightweight, space-saving case
- Ideal for transport during service deployment
- Hand luggage-sized transportable case for comfortable transportation and fast check-in at the airport

Xpress is the portable version of the IONM system. It features a lightweight, space-saving case, ideal for easy transportation during service deployments or when traveling.

A hand luggage-sized transportable case ensures easy and safe transportation and means that the compact system is perfectly protected for a fast check-in at the airport or from facility to facility.



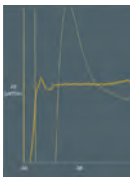


› NEUROSTIMULATOR

The unique, flexible, patented **Neurostimulator** technology has been specially designed to meet the most demanding intraoperative neuromonitoring requirements.

› **High-current and direct nerve stimulation** with monophasic, biphasic and alternating pulse waveforms

› Unique **current control** for safe stimulation



›› Artifact-free recording through stimulator design

The brand-new, patented stimulation artifact reduction technology allows displaying even very short-latency and low-amplitude signals. D-wave or corticobulbar MEPs: less overlay means better interpretation possibilities.

Adapters

Stimulation and recording adapters for electrode connection:

› Easy and safe to use thanks to color-coded ports, connectors and cables

› Clear, legible labeling for faster electrode connection



Headbox

The core component of the IONM systems are the Headboxes. These advanced amplifier modules offer the following features:

› Double the number of channels up to 16

› Improved signal quality

› Versatile selection especially tailored for demanding application fields



NeuroExplorer

Flexibility on another level – IONM for everyone

All Xpert and Xpress systems are equipped with the particularly flexible NeuroExplorer software generation. The intuitive NeuroExplorer software offers a host of user-friendly functions, ensures clear overview and is quick to master in the often stressful operating room environment.





The NeuroExplorer software offers you:

- Modern look, adapted to the hardware
- **Easy to use** due to beginner-friendly functions, such as Atlas for electrode placement
- **New monitoring possibilities:** workflow scheduler, spectral EEG with DSA, CSA and look back function
- Wide range of pre-set measurement scenarios tested by leading users
- **Rapidly add windows or electrodes on the fly** and move them via drag and drop
- **Multi-channel video window** for up to 4 different sources with synchronized recording directly from the measurement window
- Audio feedback and display of data in microscope. Surgeons can receive information with no loss of time
- Trend view and automatic alerts when thresholds are breached
- Utilize different graphical features, such as superimposing traces and analysis tables for interpretation
- Use incisive time bar for easy review
- **Compose reports in PDF and DOCX** for easy retrospective adjustment
- Data export in different formats, such as XLSX, ASCII and EDF
- **Be the layout artist:** create customized views and desktops to your needs
- **Create and share templates** – save time



› ACCESSORIES

Devices and high-quality IOM accessories from a single provider. Trust in our wide range of stimulation probes and other accessories manufactured in Germany.



- **Needle electrodes for monitoring and stimulation**
  › Subdermal needle electrodes for EMG/MEP monitoring and SEP stimulation





- **Stimulation probes**
  › Monopolar and bipolar stimulation probes



- **IOM accessories for special applications**

  › Grid/TES stimulation matrix for optimal use of grid and strip electrodes



›› You can find our complete range of accessories in our online shop at inomed.us!

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XPERT

SYSTEM FAMILY



› ADVANTAGES AT ONE GLANCE

- Standard configurations with **16 or 32 full channels** available
- Update with more software options and more channels **(up to 64)** possible anytime
- Three models for every neuromonitoring need (portable, everyday use, high-end research)
- Easy, intuitive software for beginners, many advanced monitoring possibilities for experts
- The **whole range of neuromonitoring** (AEP, brainstem reflexes, EEG, EMG, D-wave, DMS, dynamic mapping, coMEP, tcMEP, NAP, phase reversal, SEP, speech mapping)
- **Patented stimulation artifact reduction** in 12 high-current channels and one direct nervestimulation channel
- Meets latest HIPAA requirements
- **Export all data in EDF+ format** for IOM research
- Multiple connectivity options (several IOM machines, hospital network, OR equipment)
- Thorough documentation (PDF report, manual and automated screenshots in color and black and white, Screen2Video, multi-channel video)
- **System-optimized IOM accessories** (electrodes, probes, stimulation instruments)
- German quality engineering, dedicated support, constant development

XPERT SYSTEM FAMILY



Configuration	Xpert	Xpert plus	Xpress
Sturdy cart with inbuilt system	x	x	–
Portable design with laptop and wheeled case with telescopic handle	–	–	x
Maximum number of channels	64	64	48
Number of accessory compartments	1	2	–
High-performance panel PC	x	x	–
Touchscreen	x	x	–
Ergonomic, height-adjustable monitor	–	x	–
Printer	+	x	+
Display external video sources on the measurement screen	+	x	+
External mute sensor to mute the loudspeaker in the event of disruptive artifacts from electrosurgery	+	+	–
Synchronization of patient data over the network	+	+	+
Remote monitoring	+	+	+

x Included as standard
– Not available with this system
+ Available as an additional option

[1] Configuration with the corresponding software module possible

[2] Included in each system

[3] Not included in the standard package

Software options:
EMG software module[1]
SEP software module with PRSEP[1]
AEP software module[1]
MEP software module[1]
EEG software module[1]
TOF software module[1]
Software module Channel Select[1]
Software module HL7[1,3]
iSSS – inomed System Security Solution[2]

inomed

inomed Inc.
1 Westbrook Corporate Center
Suite 830
Westchester, IL 60154
USA

Tel. +1 708 607 3250
Fax +1 708 607 3259
info.us@inomed.com
www.us.inomed.com

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