

NN86G23

User Guide

SUMMARY

This guide provides technical specifications and information about features, setting up the session board, and using the NN86G23

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About this guide

This guide provides technical specifications and information about NN86G23 features, setting up the NN86G23, and using the software. Depending on the model, your NN86G23 may not have all the features included in this guide.

 **WARNING!** Indicates a hazardous situation that, if not avoided, could result in serious injury or death.

 **CAUTION:** Indicates a hazardous situation that, if not avoided, could result in minor or moderate injury.

 **IMPORTANT:** Indicates information considered important but not hazard-related (for example, messages related to property damage). Warns the user that failure to follow a procedure exactly as described could result in loss of data or in damage to hardware or software. Also contains essential information to explain a concept or to complete a task.

 **NOTE:** Contains additional information to emphasize or supplement important points of the main text.

 **NOTE:** Please use correct touch pen for operation.

NOTE: Radar turns on (i.e. is transmitting) only when system has detected display screen is off. When radar has detected nearby persons, the display turns on and the radar is not operational (i.e. no transmissions) until the display screen is off again.

TIP: Provides helpful hints for completing a task.

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1 Getting started

Read this chapter to learn about safety information and where to find additional NODESNOW AG resources.

Important safety information

A power cord might be included with the NN86G23. If you use another cord, use only a power source and connection appropriate for this NN86G23. For information about the correct power cord set to use with the NN86G23, see the *Product Notices* provided in your documentation kit.

 **WARNING!** To reduce the risk of electric shock or damage to the equipment:

- Plug the power cord into an AC outlet that is easily accessible at all times.
- If the power cord has a three-pin attachment plug, plug the cord into a grounded (earthed) three-pin outlet.
- Disconnect power from the computer by unplugging the power cord from the AC outlet. When unplugging the power cord from the AC outlet, grasp the cord by the plug.

For your safety, do not place anything on power cords or cables. Take care to route all cords and cables connected to the NN86G23 so that they cannot be stepped on, pulled, grabbed, or tripped over.

 **IMPORTANT:** For the protection of the NN86G23 and the computer, connect all power cords for the computer and its peripheral devices (such as a NN86G23, printer, scanner) to a surge protection device such as a power strip or uninterruptible power supply (UPS). Not all power strips provide surge protection; the power strip must be specifically labeled as having this capability. Use a power strip whose manufacturer offers a damage replacement policy so that you can replace the equipment if surge protection fails.

Use the appropriate and correctly sized furniture designed to properly support your NN86G23.

 **WARNING!** NN86G23s that are inappropriately situated on dressers, bookcases, shelves, desks, speakers, chests, or carts could fall over and cause personal injury.

 **NOTE:** This product is suitable for entertainment purposes. Consider placing the NN86G23 in a controlled luminous environment to avoid interference from surrounding light and bright surfaces that might cause disturbing reflections from the screen.

The equipment must be connected to an earthed mains socket-outlet.

L'appareil doit être branché sur une prise de courant munie d'une mise à la terre.

 **NOTE:** The equipment has been tested and found to comply with the limited for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

This device complies with Part 15 of the FCC / ISED's licence-exempt RSSs Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Le présent appareil est conforme aux CNR d'ISED applicables aux appareils radio exempts de licence.

L'exploitation est autorisée aux deux conditions suivantes :

- (1) le dispositif ne doit pas produire de brouillage préjudiciable, et (2) ce dispositif doit accepter tout brouillage reçu, y compris un brouillage susceptible de provoquer un fonctionnement indésirable.

FCC/ISED/CE-RED Caution:

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Radiation Exposure Statement:

This equipment complies with FCC/ISED/CE-RED radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

Déclaration d'exposition aux radiations:

Cet équipement est conforme aux limites d'exposition aux rayonnements ISED établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec un minimum de 20 cm de distance entre la source de rayonnement et votre corps.

Europe – EU Declaration of Conformity

This device complies with the essential requirements of the Radio Equipment Directive (2014/53/EU) and Radio Equipment Regulations 2017.

The following test methods have been applied in order to prove presumption of conformity with the essential requirements of the Radio Equipment Directive

Radiation Exposure Statement:

This equipment complies with CE radiation exposure limits set forth for an uncontrolled environment.

This equipment should be installed and operated with minimum distance 20cm between the radiator &

body.

 **WARNING!** This equipment is compliant with Class A of EN55032. In a residential environment this equipment may cause interference

More NODESNOW resources

Use this table to locate resources that provide product details, how-to information, and more.

Table 1-1 Additional information

Resource	Contents
Setup Instructions	Overview of NN86G23 setup and features
NODESNOW AG support	For NODESNOW AG support or to resolve a hardware or software problem, go to http://www.NodesNow AG.com/, and follow the instructions to find your product. – or – Type support in the taskbar search box, and then select NODESNOW AG Support Assistant. Thenselect Support. – or – Select the question mark icon in the taskbar search box. Then select Support.

NOTE: Contact customer support to replace the power cord or any other cables that shippedwith your NN86G23.

Preparing to call technical support

Use this information if you have to troubleshoot an issue.

If you cannot solve a problem using [Support and troubleshooting on page 24](#), a call to technical support can provide additional help. Have the following information available when you call.

- NN86G23 model number
- NN86G23 serial number
- Purchase date on invoice
- Conditions under which the problem occurred
- Error messages received
- Hardware configuration
- Name and version of the hardware and software that you are using

Getting to know your NN86G23

Your NN86G23 has top-rated features. This section provides details about your components, where they arelocated, and how they work.

Features

Depending on the model, your NN86G23 might include the following features:

Feature	Item		Spec
Display	Size		86"
	Resolution		3840x2160
	Max brightness		500
	Viewing angle		178/178
	Lifespan		30,000
	Color depth		1.07G(8 Bits+FRC)
	Frequency		60 Hz
	specify used brand and types		AUO OC P860QNV02.0
	Supported orientation		Landscape
Touch & Glass	Structure		G/F/F
	Total Thickness		2.5±0.35mm (CG w/AG 2.0 mm +
			Sensor 0.5 mm)
	Accuracy		±1.7(center) mm / ±2.7(edge) mm with phy 9mm stylus
	Simultaneous touch points		Max. 20 points (Windows OS)
	Touch Type		PCAP
	Bonding		Direct bonding
	Trasmittance		≥ 85%
	Haze		8~14%
	Glass		2T
			7H tempered glass
	Coating		AG
In-and-Outputs	Audio	Microphone array	4 D-MIC
		Sound bar	3 way passive sound bar. Loud speaker rating: Woofer:54W Midrange:7W Midrange:15W Tweeter:5W
		Amplifier	80Watt x2
Power	Internal		Yes, 100V~240V, 50/60Hz
	Standby power		3Watt
Display I.O			1x Audio-In
			1x Audio-Out
			1x RJ45 (GbE LAN)
			1x HDMI-In
			1x HDMI Out

Built-in or Optional	Module inert slot OPS or SDM	SDM (built-in)
		CPU: Intel Core i5-1135G7 Processor
		RAM: 8GBx2, Dual Channel DDR4M 2xSO-DIMMs
		Storage: 128GB
Other Features	6m Camera	x1 (Swivel type)
	Co2 detection	x1
	Scalar firmware update	Host by SDM-L
	Ambient light sensor	x1
	Moving Sensor	x1
	HDMI Grabber card	x1
Environment	Operating temperature	0° ~ 40°
	Operating humidity	20 ~ 80% RH
	Storage temperature	-20° ~ 60°
	Storage humidity	5 ~ 95% RH
Packing	Carton	Brown box with single color printed
	Cushion	EPE
	Accessory	External Power cord 1.8m , HDMI cable, Passive stylus 10 in 1
	Documentation	N/A(TPV could provide soft copy setup poster)
LED Color	Normal Mode	White
	Sleep Mode (SDM-L video mute)	Amber
	SDML S4, S5	Blinking White. 30 second duration If the power button is not pressed, the display goes to OFF mode.
	Display Off Mode	Off
Safety & Regulations	Safety/EMI/RF	CB/CE(EN55032/35)/FCC/UL/IC/EMF/CE(EN301489)
Wall-Mount		VESA 600mm*400mm
Cabinet color	Black	Black
Mechanical Function	Tilt	16°(±3°) ~ -16°(±3°)
	Pivot (None)	No support
	Height Adjust (None)	No support
	Swivel (None)	No support
W x H x D (w/ stand assy)		2099.5x595x1986(mm)
W x H x D (Without / standy assy)		2099.5x121x1336(mm)
W x H x D (Display Head package)		2280x1515x338(mm)
W x H x D (stand package)		2280x295x680(mm)
Weight (Net / Gross)		139kg

 NOTE: VESA Mount screws: M8 (length 20mm)* 4 pcs

Table 1-2 Front components and their descriptions

Component	Description
(1) Power light	White: The NN86G23 is on. Amber: The NN86G23 is in a reduced power state because of inactivity. Blinking White:: The NN86G23 is in a reduced power state because of an EnergySaver setting.
(2) Sound bar	Audio comes while executive audio function
(3) Pencil pocket	The area for stylus pen put
(4) Camera	Allows you to video chat, record video, and record still images. Turn camera module to 180 degree means turn on the camera Turn camera module toward downside 90 degree will turn off the camera NOTE: Camera functions vary depending on the camera hardware and software installed on your product.
(5) Motion sensor	To detect movement of human or object within a certain distance and execute the system while people is been detected
(6) Ambient light sensor	Optimized the ambient light and that session board could display the most comfortable brightness
(7) CO2 sensor	Detection of carbon dioxide concentration in the environment

Table 1-3 Bottom and side components and their descriptions

Component	Description
(8) HDMI Out Port	Connects an HDMI cable from the HDMI Display to the NN86G23.
(9)(10) Audio-out (headphone)/Audio-in (microphone) combo jack	Connects optional powered stereo speakers, headphones, earbuds, a headset, or a television audio cable. This jack does not support optional standalone microphones. IMPORTANT: To reduce the risk of personal injury, adjust the volume before putting on headphones, earbuds, or a headset. For additional safety information, see the <i>Regulatory, Safety, and Environmental Notices</i> To access this guide, type NODESNOW AG Documentation in the taskbar search box, and then select NODESNOW AG Documentation. NOTE: When a device is connected to the jack, the speakers are disabled.
(11) Network jack	Connects an RJ-45 Ethernet cable to the NN86G23.
(12) HDMI Input Port	Connects an HDMI cable from the source device to the NN86G23. This is signal source for HDMI Graber.
(13) Power button	Turns the NN86G23 on or off.

Setting up the NN86G23

This section describes attaching the NN86G23 stand or wall mount and the options for connecting your NN86G23 to a PC, notebook, gaming console, or similar device.

-  **IMPORTANT:** To prevent damage to the NN86G23, do not touch the surface of the LCD panel. Pressure on the panel can cause non uniformity of color or disorientation of the liquid crystals. If this occurs, the screen will not recover to its normal condition.
 -  **IMPORTANT:** To prevent the screen from getting scratched, defaced, or broken and to prevent damage to the control buttons, position the NN86G23 facedown on a flat surface covered with protective sheet foam or nonabrasive cloth.
-

Attaching the NN86G23 stand

Correctly attaching your NN86G23 stand is critical for safe use. This section describes how to safely attach a stand.

 **TIP:** Consider the placement of the NN86G23, because surrounding light and bright surfaces might cause interfering reflections.

 **NOTE:** The procedures for attaching a NN86G23 stand might be different on other models.

1. With the NN86G23 placed facedown to flat and soft cushion.
2. Following by stand assembly SOP to assy stand
3. Use hanging equipment to hold NN86G23
4. Follow the direction of the red arrow, keeping the hinge L/R aligned with the bracket holes, and then assemble the display.
5. Use a hexagonal wrench to fasten the No3:M6 black screw on both sides of the outside side.
6. After the screws on both sides are locked, paste DECORATIVE PIECES on both sides



CAUTION: This stand assy is for use only with NodesNow,
Use with other (carts, stands, or carriers) may result in instability causing injury.

In addition to details about how to connect a cable, this section contains information about how your NN86G23 functions when you connect certain cables.



NOTE: Depending on the model, the NN86G23 might be capable of supporting HDMI, or DisplayPort inputs. The video mode is determined by the video cable used. The NN86G23 automatically determines which inputs have valid video signals. You can select the inputs through the OSD menu. The NN86G23 ships with select cables. Not all cables shown in this section are included with the NN86G23.

1. Place the NN86G23 in a convenient, well-ventilated location.
 2. NN86G23 can work independently. Connect HDMI cable on HDMI Input port. If HDMI video content needs to come
 3. Connect HDMI cable on HDMI Onput port. If HDMI video content needs to Extend to another HDMI display.
- Connect one end of an HDMI cable to the HDMI port on the rear of the NN86G23 and the other end to the HDMI port on the source device or another HDMI display.

4. Connect one end of an Ethernet cable to the RJ-45(network) jack on the NN86G23 and the other end to the RJ-45 wall jack or router

WARNING! To reduce the risk of electric shock or damage to the equipment:

Do not disable the power cord grounding plug. The grounding plug is an important safety feature.

Plug the power cord into a grounded (earthed) AC outlet that is easily accessible at all times.

Disconnect power from the equipment by unplugging the power cord from the AC outlet.

For your safety, do not place anything on power cords or cables. Arrange them so that no one can accidentally step on or trip over them. Do not pull on a cord or cable. When unplugging the power cord from the AC outlet, grasp the cord by the plug.

NODESNOW AG watermark and image retention policy

Some NN86G23s are designed with In-Plane Switching (IPS) display technology, which provides ultrawide viewing angles and advanced image quality. Though suitable for many applications, this panel technology is not suitable for static, stationary, or fixed images for long periods of time, unless you use screen savers.

Applications with static images can include camera surveillance, video games, marketing logos, and templates. Static images can cause image retention damage that could look like stains or watermarks on the NN86G23's screen.

Image retention damage on NN86G23s that are in use 24 hours per day is not covered under the NODESNOW AG warranty. To avoid image retention damage, always turn off the NN86G23 when it is not in use, or use the power management setting, if supported on your computer, to turn off the NN86G23 when the computer is idle.

2 Using the NN86G23

This chapter describes how to use your NN86G23 and its features, including software and utilities, the OSDmenu, the function buttons, power modes, and Windows Hello.

Downloading software and utilities

You can download and install these files from NODESNOW AG Support.

- INF (Information) file
- ICM (Image Color Matching) files

To download the files:

1. Go to <http://www.NodesNow.com/>.
2. Select Software and Drivers.
3. Select your product type.
4. Enter your NODESNOW AG NN86G23 model in the search field and follow the on-screen instructions.

The Information file

The INF file defines NN86G23 resources used by Windows® operating systems to ensure NN86G23 compatibility with the computer's graphics adapter.

This NN86G23 is Plug and Play compatible, and the NN86G23 will work correctly without installing the INF file. NN86G23 Plug and Play compatibility requires that the computer's graphics card is VESA DDC2 compliant and that the NN86G23 connects directly to the graphics card. Plug and Play does not work through separate BNC-type connectors or through distribution buffers, boxes, or both.

The Image Color Matching file

The ICM files are data files that are used in conjunction with graphics programs to provide consistent color matching from NN86G23 screen to printer, or from scanner to NN86G23 screen. These files are activated from within graphics programs that support this feature.



NOTE: The ICM color profile is written in accordance with the International Color Consortium (ICC) ProfileFormat specification.

3 Support and troubleshooting

If your NN86G23 is not working as expected, you might be able to resolve the issue by following the instructions in this section.

Solving common issues

The following table lists possible issues, the possible cause of each issue, and the recommended solutions.

Table 3-1 Common issues and solutions

Issues	Possible cause	Solution
Screen is blank or video is blinking.	Power cord is disconnected.	Connect the power cord.
	NN86G23 is off.	Press the NN86G23 power button. NOTE: If pressing the power button has no effect, press and hold the power button for 10 sec to disable the Power Button Lockout feature.
	Video cable is improperly connected.	Connect the video cable properly. For more information, see Connecting the cables on page 10 .
	System is in Auto-Sleep Mode.	Press any key on the keyboard or move the mouse to inactivate the screen blanking utility.
	Video card is incompatible.	Replace the video card or connect the video cable to one of the computer's on-board video sources.
Image appears blurred, indistinct, or too dark.	Brightness setting is too low.	Check if turn off Ambient light sensor.
"Check Video Cable" is displayed on the screen.	NN86G23 video cable is disconnected.	Connect the appropriate video signal cable between the computer and NN86G23. Be sure that the computer power is off while connecting the video cable.
"Input Signal Out of Range" is displayed on screen.	Video resolution and/or refresh rate are set higher than the NN86G23 supports.	Change the settings to a supported setting (see Preset display resolutions on page 31).

4 Maintaining the NN86G23

Properly maintained, your NN86G23 can run for many years. These instructions provide steps you can perform to keep your NN86G23 in the best condition.

Maintenance guidelines

Follow these instructions to enhance the performance and extend the life of the NN86G23.

- Do not open the NN86G23 cabinet or attempt to service this product yourself. Adjust only those controls that are covered in the operating instructions. If the NN86G23 is not operating properly or has been dropped or damaged, contact an authorized NODESNOW AG dealer, reseller, or service provider.
- Use only a power source and connection appropriate for this NN86G23, as indicated on the label or backplate of the NN86G23.
- Be sure that the total ampere rating of the products connected to the outlet does not exceed the current rating of the AC outlet and that the total ampere rating of the products connected to the cord does not exceed the rating of the cord. Look on the power label to determine the ampere rating (AMPS or A) for each device.
- Install the NN86G23 near an outlet that you can easily reach. Disconnect the NN86G23 by grasping the plug firmly and pulling it from the outlet. Never disconnect the NN86G23 by pulling the cord.
- Turn the NN86G23 off when it is not in use, and use a screen saver program. Doing this can substantially increase the life expectancy of the NN86G23.



NOTE: A burned-in image on the NN86G23 is not covered under the NODESNOW AG warranty.

- Never block the slots and openings of the cabinet or push objects into them. These openings provide ventilation.
- Do not drop the NN86G23 or place it on an unstable surface.
- Do not allow anything to rest on the power cord. Do not walk on the cord.
- Keep the NN86G23 in a well-ventilated area, away from excessive light, heat, or moisture.

Cleaning the NN86G23

Use these instructions to clean your NN86G23 when necessary.

1. Turn off the NN86G23 and unplug the power cord from the AC outlet.
2. Disconnect any external devices.
3. Dust the NN86G23 by wiping the screen and the cabinet with a soft, clean antistatic cloth.

4. For more difficult cleaning situations, use a 50/50 mix of water and isopropyl alcohol.



IMPORTANT: Do not use cleaners that contain petroleum-based materials such as benzene, thinner, or any volatile substance to clean the NN86G23 screen or cabinet. These chemicals might damage the NN86G23.



IMPORTANT: Spray the cleaner onto a cloth and use the damp cloth to gently wipe the screen surface. Never spray the cleaner directly on the screen surface. It can run behind the bezel and damage the electronics. The cloth should be moist, but not wet. Water dripping into the ventilation openings or other points of entry can cause damage to the NN86G23. Allow the NN86G23 to air-dry before use.

5. After you remove the dirt and debris, you can also clean the surfaces with a disinfectant. The World Health Organization (WHO) recommends cleaning surfaces, followed by disinfection, as a best practice for preventing the spread of viral respiratory illnesses and harmful bacteria. A disinfectant that is within NODESNOW AG's cleaning guidelines is an alcohol solution consisting of 70% isopropyl alcohol and 30% water. This solution is also known as rubbing alcohol and is sold in most stores.

Shipping the NN86G23

Keep the original packing box in a storage area. You might need it later if you ship the NN86G23 or move.

A Technical specifications

This section contains technical specifications for the physical aspects of your NN86G23, such as the weight and viewing dimensions, as well as required environmental operating conditions and power source ranges.

All specifications represent the typical specifications provided by NODESNOW AG component manufacturers; actual performance can vary either higher or lower.



NOTE: For the latest specifications or additional specifications for this product, go to <http://www.NodesNowAG.com/> and search for your specific NN86G23 model to find the model-specific QuickSpecs.

218.44cm(86 in) UHD model specifications

This section provides specifications for your NN86G23.

Table A-1 86 in UHD NN86G23 specifications

Specification	Measurement	
Display, wide-screen	218.44cm	3486 in
Type	IPS	
Viewable image size	218.44 cm diagonal	86.0 in diagonal
Maximum weight (unpacked)	150 kg	330.7lb
Dimensions (include stand)		
Height	198.6cm	78.19n
Depth	59.5cm	23.43in
Width	209.6 cm	82.52in
Tilt adjustment range	16°(±3°) ~ -16°(±3°)	
Camera tilt adjustment range	-90° to 180°	
Environmental requirements temperature		
Operating temperature	-5°C to 35°C	41°F to 95°F
Storage temperature	-34°C to 60°C	29°F to 140°F
Storage humidity	5% to 95% (noncondensing)	
Operating humidity	20% to 80% (noncondensing)	
Power source	100 V ac to 240 V ac 50/60 Hz, 8A	
Regulatory Model number	NN86G23 86”(2022)	
Input terminal	Two HDMI port(HDMI in and HDMI out), , one RJ45, one headphone or Line Out jack, One Line In jack.	

Preset display resolutions

Table A-3 Preset display resolutions

Preset	Pixel format	Horz freq (kHz)	Vert freq (Hz)
1	3840x2160	133.313	60.000

High-definition video formats

This section provides high-definition video formats.

Table A-3 High-definition video formats

Preset	Timing name	Pixel format	Horz freq (kHz)	Vert freq (Hz)
1	480p	640 × 480	31.5	60
2	480p	640 × 480	31.469	59.94
3	480p	720 × 480	31.469	59.94
4	576p	720 × 576	31.250	50.00
5	720p50	1280 × 720	37.500	50.00
6	720p60	1280 × 720	45.000	60.00
7	1080p50	1920 × 1080	56.250	50.00
8	1080p60	1920 × 1080	67.500	60.00

B Accessibility

NODESNOW AG's goal is to design, produce, and market products, services, and information that everyone everywhere can use, either on a stand-alone basis or with appropriate third-party assistive technology (AT) devices or applications.

NODESNOW AG and accessibility

Because NODESNOW AG works to weave diversity, inclusion, and work/life into the fabric of the company, it is reflected in everything NODESNOW AG does. NODESNOW AG strives to create an inclusive environment focused on connecting people to the power of technology throughout the world.

Finding the technology tools you need

Technology can unleash your human potential. Assistive technology removes barriers and helps you create independence at home, at work, and in the community. Assistive technology helps increase, maintain, and improve the functional capabilities of electronic and information technology.

For more information, see [Finding the best assistive technology on page 34](#).

The NODESNOW AG commitment

NODESNOW AG is committed to providing products and services that are accessible for people with disabilities. This commitment supports the company's diversity objectives and helps ensure that the benefits of technology are available to all.

The NODESNOW AG accessibility goal is to design, produce, and market products and services that can be effectively used by everyone, including people with disabilities, either on a stand-alone basis or with appropriate assistive devices.

To achieve that goal, this Accessibility Policy establishes seven key objectives to guide NODESNOW AG actions. All NODESNOW AG managers and employees are expected to support these objectives and their implementation in accordance with their roles and responsibilities:

- Raise the level of awareness of accessibility issues within NODESNOW AG, and provide employees with the training they need to design, produce, market, and deliver accessible products and services.
- Develop accessibility guidelines for products and services, and hold product development groups accountable for implementing these guidelines where competitively, technically, and economically feasible.
- Involve people with disabilities in the development of accessibility guidelines and in the design and testing of products and services.
- Document accessibility features, and make information about NODESNOW AG products and services publicly available in an accessible form.
- Establish relationships with leading assistive technology and solution providers.
- Support internal and external research and development that improves assistive technology relevant to NODESNOW AG products and services.

- Support and contribute to industry standards and guidelines for accessibility.

International Association of Accessibility Professionals (IAAP)

IAAP is a not-for-profit association focused on advancing the accessibility profession through networking, education, and certification. The objective is to help accessibility professionals develop and advance their careers and to better enable organizations to integrate accessibility into their products and infrastructure.

As a founding member, NODESNOW AG joined to participate with other organizations to advance the field of accessibility. This commitment supports NODESNOW AG's accessibility goal of designing, producing, and marketing products and services that people with disabilities can effectively use.

IAAP will make the profession strong by globally connecting individuals, students, and organizations to learn from one another. If you are interested in learning more, go to <http://www.accessibilityassociation.org> to join the online community, sign up for newsletters, and learn about membership options.

Finding the best assistive technology

Everyone, including people with disabilities or age-related limitations, should be able to communicate, express themselves, and connect with the world using technology. NODESNOW AG is committed to increasing accessibility awareness within NODESNOW AG and with our customers and partners.

Whether it's large fonts that are easy on the eyes, voice recognition that lets you give your hands a rest, or any other assistive technology to help with your specific situation—a variety of assistive technologies make NODESNOW AG products easier to use. How do you choose?

Assessing your needs

Technology can unleash your potential. Assistive technology removes barriers and helps you create independence at home, at work, and in the community. Assistive technology (AT) helps increase, maintain, and improve the functional capabilities of electronic and information technology.

You can choose from many AT products. Your AT assessment should allow you to evaluate several products, answer your questions, and facilitate your selection of the best solution for your situation. You will find that professionals qualified to do AT assessments come from many fields, including those licensed or certified in physical therapy, occupational therapy, speech/language pathology, and other areas of expertise. Others, while not certified or licensed, can also provide evaluation information. You will want to ask about the individual's experience, expertise, and fees to determine if they are appropriate for your needs.

Accessibility for NODESNOW AG products

These links provide information about accessibility features and assistive technology, if applicable and available in your country or region, that are included in various NODESNOW AG products. These resources will help you select the specific assistive technology features and products most appropriate for your situation.

- NODESNOW AG Aging & Accessibility: Go to <http://www.NodesNow AG.com>, type Accessibility in the search box. Select Office of Aging and Accessibility.
- NODESNOW AG computers: For Windows 7, Windows 8, and Windows 10, go to <http://www.NodesNow AG.com/support>, type Windows Accessibility Options in the Search our knowledge search box. Select the appropriate operating system in the results.
- NODESNOW AG Shopping, peripherals for NODESNOW AG products: Go to <http://store.NodesNow AG.com>, select Shop, and then select NN86G23s or Accessories.

If you need additional support with the accessibility features on your NODESNOW AG product, see [Contacting support on page 37](#).

Additional links to external partners and suppliers that may provide additional assistance:

- [Microsoft Accessibility information \(Windows 7, Windows 8, Windows 10, Microsoft Office\)](#)
- [Google Products accessibility information \(Android, Chrome, Google Apps\)](#)

Standards and legislation

Countries worldwide are enacting regulations to improve access to products and services for persons with disabilities. These regulations are historically applicable to telecommunications products and services, PCs and printers with certain communications and video playback features, their associated user documentation, and their customer support.

Standards

The US Access Board created Section 508 of the Federal Acquisition Regulation (FAR) standards to address access to information and communication technology (ICT) for people with physical, sensory, or cognitive disabilities.

The standards contain technical criteria specific to various types of technologies, as well as performance-based requirements which focus on functional capabilities of covered products. Specific criteria cover software applications and operating systems, web-based information and applications, computers, telecommunications products, video and multimedia, and self-contained closed products.

Mandate 376 – EN 301 549

The European Union created the EN 301 549 standard within Mandate 376 as an online toolkit for public procurement of ICT products. The standard specifies the accessibility requirements applicable to ICT products and services, with a description of the test procedures and evaluation methodology for each requirement.

Web Content Accessibility Guidelines (WCAG)

Web Content Accessibility Guidelines (WCAG) from the W3C's Web Accessibility Initiative (WAI) helps web designers and developers create sites that better meet the needs of people with disabilities or age-related limitations.

WCAG advances accessibility across the full range of web content (text, images, audio, and video) and web applications. WCAG can be precisely tested, is easy to understand and use, and allows web developers flexibility for innovation. WCAG 2.0 has also been approved as [ISO/IEC 40500:2012](#).

WCAG specifically addresses barriers to accessing the web experienced by people with visual, auditory, physical, cognitive, and neurological disabilities, and by older web users with accessibility needs. WCAG 2.0 provides characteristics of accessible content:

- Perceivable (for instance, by addressing text alternatives for images, captions for audio, adaptability of presentation, and color contrast)
- Operable (by addressing keyboard access, color contrast, timing of input, seizure avoidance, and navigability)
- Understandable (by addressing readability, predictability, and input assistance)
- Robust (for instance, by addressing compatibility with assistive technologies)

Legislation and regulations

Accessibility of IT and information has become an area of increasing legislative importance. These links provide information about key legislation, regulations, and standards.

- [United States](#)
- [Canada](#)
- [Europe](#)
- [Australia](#)

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.