COMPACT

MURR ELEKTRONIK
stay connected

NEXOGATE

MAKING THE MOST OF DATA

The Murrelektronik cloud is ideal for making the most of machine and plant data – and nexogate makes the perfect interface.

Current process data is important to many people in a company: managers, maintenance personnel, programmers and technicians. The data is used to control production, deploy personnel and schedule maintenance or repair work. The data can also be transferred to another system with out a complex interface.

The Murrelektronik cloud keeps users up to date with the information they need. Data can be retrieved from an online dashboard any time, anywhere, on any mobile device. Information distribution can be determined in advance so production planners can be sent information about current plant output while servo motor temperatures are sent to the maintenance team.

Occasionally, problems arise in the production process. In these times, quick responses are essential to avoiding escalating situations and expensive downtime. Threshold values for key figures can be defined in the dashboard. If they are exceeded or fail to be reached an email or text message is sent directly to the main point of contact so timely action can be taken.

- Universal use with an eSIM card
- Independent of the IT infrastructure
- Predictive maintenance
- Data tracking and monitoring
- Process analysis and improvement
- Customized dashboard
- Easy integration and/or linkage in other systems

DATA TRANSFER MADE EASY

Murrelektronik's nexogate transfers data from the industrial field to the cloud. This compact component is integrated into a PROFINET or EtherNet/IP network as an additional fieldbus module and transmits data to the Murrelektronik cloud via a mobile network. This data can be accessed anywhere in the world, at any time via any browser. Data transmission is independent of the on-site IT network. Information can be transmitted to the customer's own cloud via the LAN connection.

NEXOGATE AT A GLANCE

- Universal use with eSIM card
- Choose one of 3 antennas. Designs can mount directly on the device or through a control cabinet wall.
- Know your costs up front – standard mobile communication rates worldwide
- Independent of the IT infrastructure
- Encrypted data transmission (TLS 1.2)
- Easy integration and / or linkage to other systems
- Read access
- Analysis for predictive maintenance
- Configurable dashboard
- Instant data tracking and monitoring
- Remote diagnostics improve maintenance planning
- Process analysis
- Maintenance and repairs can be done as soon as a problem is detected saving both time and money
- Machine optimization and increased machine availability

MURRELEKTRONIK CLOUD SERVICES

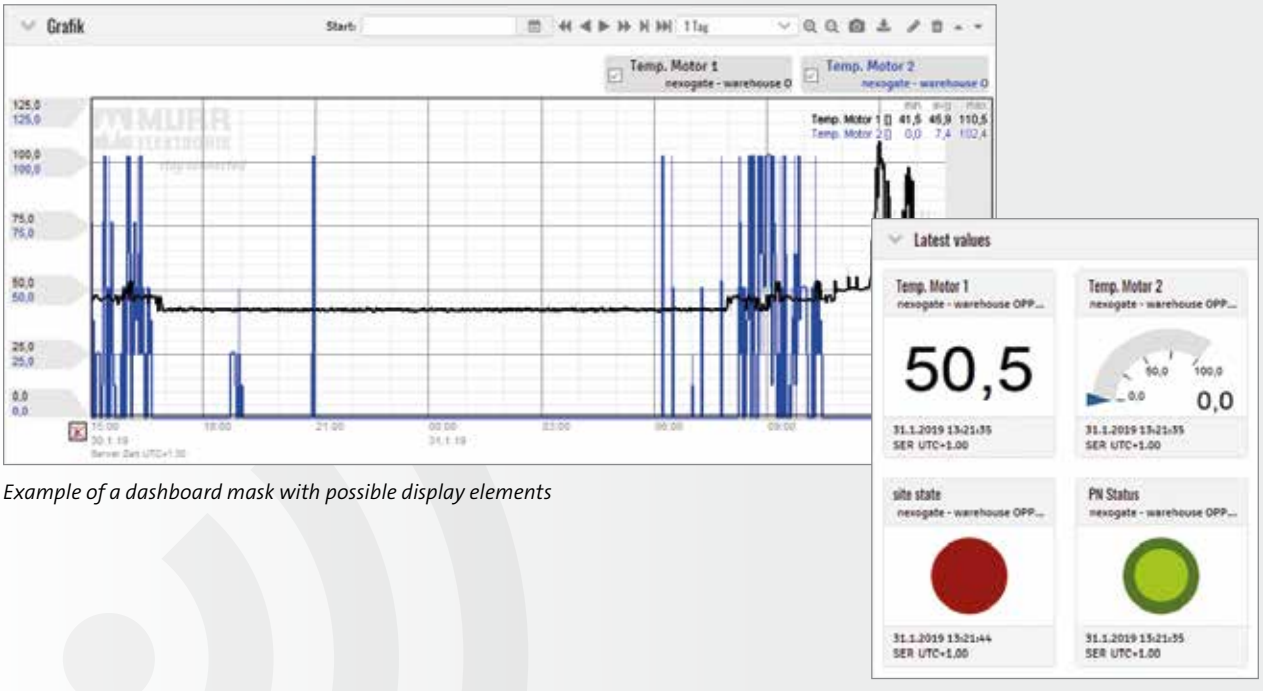
The Murrelektronik cloud puts your data on an easy to understand dashboard.

Customers can choose exactly what level of dashboard access to give each of their employees. Access levels range from cloud and equipment provision and setup via dashboard configuration to support with setting up the customer's own server.

With the API interface the Murrelektronik cloud can be linked to external systems including apps and other cloud based systems.

Billing is based on a credit system and depends on the selected operating mode (interval, wake-up or online), data transmission intervals, data volumes and other technical service settings. Users can define how often they want to view the data. It’s possible to view different sets of data at different intervals so you may see one set every second but other sets may only be sent once a day, week or month. Notifications can be texted or emailed.

The defined values or areas can be illustrated in a variety of ways .



Example of a dashboard mask with possible display elements

TECHNICAL DATA / ARTICLE NUMBERS

	nexogate cloud interface PN	nexogate cloud interface EIP	nexogate industrial controller
Approvals: CE			
Order data	**Art. No.**	**Art. No.**	**Art. No.**
	57000	**57001**	**57009**
Electrical data			
Input voltage	9 ... 33 V DC	9 ... 33 V DC	9 ... 33 V DC
Curr. consumption / operating current	≤ 200 mA	≤ 200 mA	≤ 200 mA
Ports			
Fieldbus	PROFINET (10/100 MBit/s; 2 x RJ45)	EtherNet/IP (10/100 MBit/s; 2 x RJ45)	Ethernet port (10/100 MBit/s; 1 x RJ45)
Supply	Screw terminals		
Wireless technology			
Mobile communication standard	3 G		-
Frequency	2 G 850 MHz/900 MHz/1800 MHz/1900 MHz; UMTS B1, B2, B5, B6, B8, B19		-
Antenna input	SMA (50 Ω)		-
Mechanical data			
Standards	approved in following countries: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LI, LT, LU, LV, MT, NL, NO, PL, PT, RO, SE, SI, SK		
Protection class	IP20		
Fastening type	snaps onto mounting rail TH35 (EN 60715)		
Dimensions H × W × D	100 x 22 x 115		
Weight in g (net)	150		120
Temperature range	-20 ... +60 °C (storage temperature - 40 ... +75 °C)		
Housing material	Plastic		
Housing color	black		

	Antenna 0° with 3-m cable, SMA	Antenna 90°, SMA	Antenna 0° with feed-through, SMA
Approvals: CE			
Order data	**Art. No.**	**Art. No.**	**Art. No.**
	57070	**57071**	**57072**
Electrical data			
Frequency	800/850/900/1800/1900 + 2100 MHz + 2600 MHz	750–960 MHz, 1700–2150 MHz, 2370–2650 MHz	
Amplification	0 dBi to +5 dBi	0 dB	
Mechanical data			
Protection class	IP69K (when built-in)	IP20	
Operating temperature	-40 °C to +85 °C		
Torque	0.8 Nm		

	Ports	Length	Art. No.
	Antenna cable 0° / 90°, SMA	0.5 m	**57040**
	Antenna cable 0° / 90°, SMA	1.0 m	**57041**
	Antenna cable 0° / 90°, SMA	4.0 m	**57043**
	Antenna cable 0° / 90°, SMA	10.0 m	**57045**

Antenna cable for Art. No. 57072

Product group from well-managed forests, controlled sources and recycled wood or fiber
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