

The Dexdyne DX3

DATASHEET

The DX3 is a reliable and scalable unit designed to monitor and log data from your equipment without any human intervention.



How does it work?

The DX3 unit seamlessly connects to your existing equipment so that you can remotely monitor, log and control site activity. Providing opto-isolated digital I/O and analogue inputs, as well as supporting many popular industrial protocols (such as Modbus), the DX3 can quickly deliver valuable information about your business.

Log Data as Often as You Like

The DX3 unit can log data at the exact frequency you want, letting you prioritise your information however you need to. On top of that, Dexdyne's EventSnap™ technology can trigger high-speed logging automatically, letting you analyse behaviour before and after an event in detail.

Let the Right People Know

When there's a problem at your site, you want the right people notified immediately. With automatic SMS and e-mail alarm notifications, you can make sure they're always informed.

Always Connected

The DX3 unit comes with plenty of communication channels, including Ethernet, GPRS/GSM and 3G - it will even work with your existing site Internet connection. With the DX3, you're always connected to your data.

Reliable Data

The DX3 has no moving parts, eliminating mechanical failure, and uses industrial grade flash memory to safeguard your data. However, the reliability features of the DX3 don't stop there! Dexdyne's highly robust, isolated I/O board protects the unit from external malfunctions, meaning that

Case Study Veolia Water



Veolia Water Ireland needed a more cost-effective alternative to expensive SCADA-based systems for monitoring its various treatment sites scattered across the country.

Providing an ideal fit for their application, the DX3 has now been fully adopted by Veolia and retrofitted across all of their sites, as well as fitted as standard when installing and commissioning new treatment plants.



electrical shorts and surges don't cause any problems. With the DX3, your data is always safe.

Use the DX3 from Anywhere

With Dexdyne's secure remote access functionality, you can configure the DX3 from anywhere. Better yet, the DX3 provides a SCADA-style, real-time mimic, so you can monitor live data on the unit as it is gathered or even control your equipment remotely.

Maximising the Value of Your Data

We've spent years perfecting our Dexdyne Dashboard so that you can analyse your data effortlessly. Moreover, you can view it whenever you like, wherever you like, however you like - it's a breeze to perform data auditing and process monitoring. For complete peace of mind, your data is kept safe and sound in a high security data centre, with encryption and regular backups. To arrange a demonstration to see for yourself how the DX3 and the Dexdyne Dashboard can truly transform performance, please contact your local sales representative.

Technical Specification

External Communication	10/100 Ethernet Port for Internet Connection
	Wireless GSM/GPRS/3G (<i>optional</i>)
	GPS (<i>optional</i>)
Plant Communication I/O	RS232
	RS485 (Multi-drop)
	LAN for TCP I/O
	4 x Optically Isolated Digital Inputs 0-24V Input
Plant Communication Protocols	4 x Optically Isolated Digital Outputs 1A @ 24V Continuous
	6 x Analogue Inputs 0-5V, 12 bit resolution
	Modbus/TCP
Alarm Reporting	Modbus/RS485
	CAN bus (<i>optional</i>)
Security	SMS Messaging
	E-Mail alerts
Data Logging	2048-bit SSL
	Multi-user, multi-level password-protected access
Software Update	Scalable logging of data from connected equipment
	EventSnap™ event-triggered high-speed logging
Hardware Features	Remote software update capability
	Low-power, diskless, fanless
	No moving parts
Physical	Dimensions: 186 × 185 × 50 mm
	Mass: 1.250kg
	Operational Temperature Range: 0-55 °C
	Humidity: 0 - 80% non condensing
	Power Supply: 10-30V DC
	Power Consumption: 5W (<i>nominal</i>) 10W (<i>peak</i>)

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