

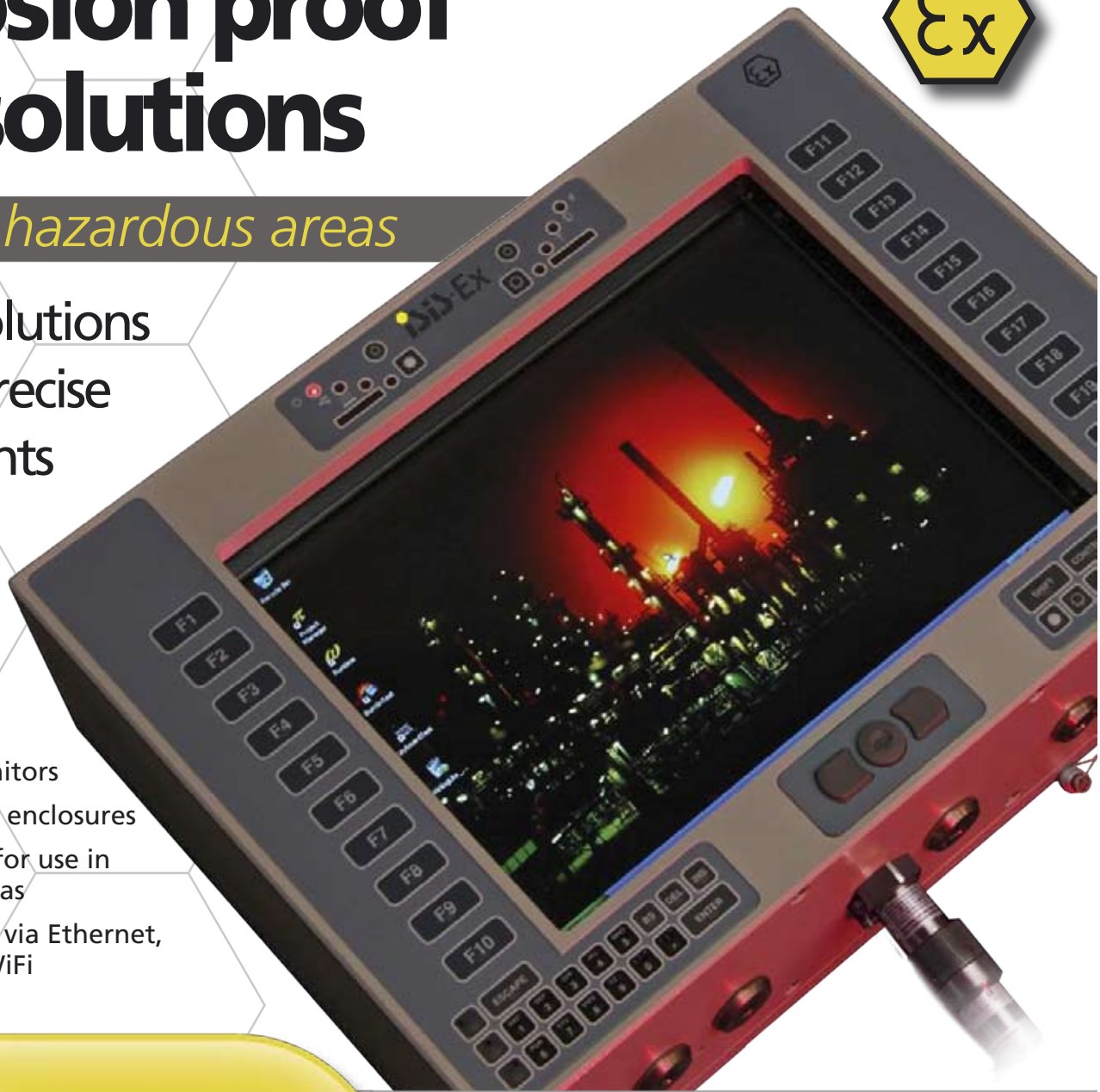
Explosion proof HMI solutions



for use in hazardous areas

Bespoke solutions
to satisfy precise
requirements

- Available as PC's, terminals or monitors
- Flame proof Ex d enclosures
- ATEX compliant for use in Zone 1 and 2 areas
- Communications via Ethernet, Fibre Optics or WiFi



iSiS-Ex

*World class expertise
from an industry specialist*

iSiS-Ex is a leading international provider of 'mission critical' explosion proof computers and HMI's for use in hazardous areas. By leveraging a unique heritage of engineering expertise spanning more than 20 years, we have successfully combined industry specific know-how with proven products that are sold to blue chip companies around the world.



PC Workstations: 700, 800 & 900 Ex d for zones 1 and 2 450 Ex for zones 1 and 2



- Glove friendly optional touch screen (700, 800 & 900)
- Simple to install and will run with any PC operating system (Window CE on 450)
- Configurable with fibre optic, Cat 5 and/or wireless communications
- Optional extended temperature range option to -20°C
- High bright (800 and 900) and transreflective screen options
- Available with a range of mount and stand configurations
- Ex d - ease of field maintenance (with appropriate training)
- Custom solutions available

Product Type	Model No.	Type of Protection	Display Size	Display Type	Display Resolution	Processor	HDD/ SDD	RAM	Comms Options	Keyboard / Mouse / Other	Operating Temp	Storage Temp	Weight	Dimensions
PC Workstation	700	II 2 G, Ex d ib [ib] T4/ T6	12.1"	LCD	XGA 800x600	500 MHz	80Gb/ 32Gb	from 128 MB	WiFi / Ethernet / Fiber Optic	Membrane Mouse+Kpad and ext. EEx i interface	0°C to +45°C	-25°C to +55°C	25Kg / 53lbs	369 x 283 x 160 mm
	800		15"		XGA 1024 x 768	1.8GHz Pentium M		from 1 GB			0°C to +50°C		32Kg / 68lbs	465 x 337 x 160 mm
	900		19"		SXGA 1280 x 1024	1.8GHz Pentium M		from 1 GB			0°C to +50°C		44Kg / 88lbs	521 x 390 x 165 mm
	450	II 2 G, EEx mdeib[ib] IIB+H T4	10.4"	Transreflective TFT LCD	VGA 640 x 480	300 MHz low power	32Mb Flash	64Mb SRAM	Functional keyboard (F1 - F8) 0-9 Numeric pad	-40°C to +50°C	-25°C to +55°C	12.5kg / 28lbs	360 x 260 x 153 mm	



Remote Terminals: Hazardous area control of safe area computers

700, 800 & 900 Ex d for zones 1 and 2

- Glove friendly optional touch screen
- Available with fibre optic and Cat 5
- Optional extended temperature range to -20°C
- Extended fibre range up to 10,000 metres, 300m Cat 5
- Available with a range of mounting options
- Wide range of interface and keyboard options available

Product Type	Model No.	Type of Protection	Display Size	Display Type	Display Resolution	Processor	HDD/ Flash	RAM	Comms Options	Keyboard / Mouse / Other	Operating Temp	Storage Temp	Weight	Dimensions
Remote Terminal	700	II 2 G, Ex d ib [ib] T4/ T6	12.1"	LCD	XGA 800x600	-	-	-	Cat5/Fibre Optic	Membrane Mouse+Kpad and ext. Ex i interface	0°C to +45°C	-25°C to +55°C	25Kg / 53lbs	369 x 283 x 160 mm
	800		15"		XGA 1024 x 768	-	-	-					32Kg / 68lbs	465 x 337 x 160 mm
	900		19"		SXGA 1280 x 1024	-	-	-					44Kg / 88lbs	521 x 390 x 165 mm

In line with our bespoke offering, a range of alternative specifications and options are available.

Monitors: 700, 800, 900

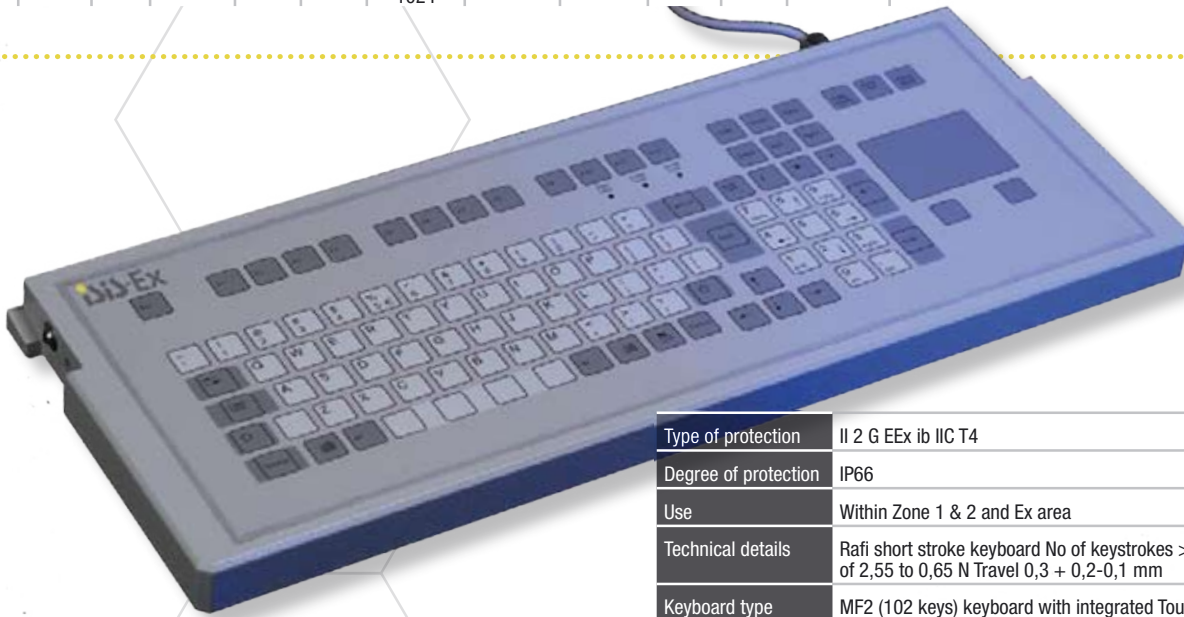
Ex d for zones 1 and 2

- Accepts DVI, VGA, RGB, composite and S-video input signals
- Optional extended temperature range to -20°C
- Glove friendly optional touch screen
- Suitable for CCTV applications
- Available with a range of standard mounts and stands



Product Type	Model No.	Type of Protection	Display Size	Display Type	Display Resolution	Comms Options	Operating Temp	Storage Temp	Weight	Dimensions
Monitor	700	II 2 G, Ex d ib [ib] T6	12.1"	LCD	XGA 800x600	DVI, VGA, RGB, Composite and S-video input signals	0°C to +45°C	-25°C to +55°C	25Kg / 53lbs	369 x 283 x 160 mm
	800		15"		XGA 1024 x 768				32Kg / 68lbs	465 x 337 x 160 mm
	900		19"		SXGA 1280 x 1024				44Kg / 88lbs	521 x 390 x 165 mm

In line with our bespoke offering, a range of alternative specifications and options are available.



Keyboards:

II 2 G EEx ib IIC T4

The iSiS-Ex intrinsically safe, aluminium keyboards are manufactured to the same high quality specifications as our HMI range. Available with touchpad or (micro module) joystick mouse operation the keyboard may be mounted directly on the unit with a practical fold away hinge or used as an independent desk top unit.

Type of protection	II 2 G EEx ib IIC T4
Degree of protection	IP66
Use	Within Zone 1 & 2 and Ex area
Technical details	Rafid short stroke keyboard No of keystrokes > 1 Mio operations Using a force of 2,55 to 0,65 N Travel 0,3 + 0,2-0,1 mm
Keyboard type	MF2 (102 keys) keyboard with integrated Touch-Pad (2 keys)
Interface	PC AT, PS/2 compatible
Cable length	1,50 m
Language versions	English US-layout, German and French, other languages available on request
Supply voltage	IS PS/2 supplied
Ambient temperature	Max. -30°C to +60°C at T4 (Mouse pad version) Max. 0°C to +60°C at T4 (Micro Module/Joystick version)
Storage temperature	-40°C to +70°C (Pad)
Safety values	Ui = 5,4 V, Ii = 250mA, Pi = 0,7W. Li = is negligible, Ci = 59,4µF
Details, touch pad	Foil covered capacitive Touch-Pad (62x47mm) with 2 keys
Material	Powder coated 6082 aluminium
Surface	Acid, alkaline, solvent- and chemical resistant Polyester foil 0,3mm thick with rimmed keys
Overall dimensions	32mm x 525mm x 200mm (Pad)
Weight	5,6 kg



iSiS-Ex has been at the forefront of hazardous area protection technologies since 1989

The company has an impeccable pedigree as a specialist designer, manufacturer and supplier of explosion proof computers and HMI's. We know and understand the market and speak the language.

Flexibility matters. We recognise that different customers have different requirements, which is why we offer a bespoke design and manufacturing service – as standard. We work hand in hand with you to meet your specific and individual needs. It's what sets us apart from the crowd.

Wherever iSiS-Ex operates around the globe it delivers ATEX directive compliant PC's, terminals and monitors to a high and uncompromising standard. There is strict control of materials and manufacturing processes and a rigid system of tests and inspections.

The company is ISO9001:2008 Certified. Our capabilities compare with the very best.

iSiS-Ex is headquartered in Leeds in the United Kingdom with a new 11,000 sq ft R&D and production facility in Malton. It is from here, and Austin in the USA, that we manage your project from concept to completion to ensure smooth, on-time delivery. We pride ourselves on our excellent supplier and customer relationships.

We continually seek to enhance and improve our product range in a diverse, challenging and technologically advancing industry. It means we employ all the expertise, skills and resources necessary to make purchasing an iSiS-Ex product as complete a customer experience as possible.

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iSiS-Ex

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