

> WHY iSiS-Ex?



Our Global Sales Network

Because we build better solutions.



SPECIALIST HAZARDOUS AREA COMPUTING



FOR FULL DETAILS OF OUR SUPPORT CENTERS AND THEIR CONTACT DETAILS VISIT OUR WEBSITE www.isis-ex.com/global-sales-partners

We wouldn't say it if we didn't believe it. More importantly, **we wouldn't say it if we couldn't back it up.**

We have more than 25 years' experience as oil and gas industry HMI specialists. Our products are field tested and proven to perform in the harshest conditions. We're the brand of choice for market leading oil companies the world over.

Our engineers are constantly innovating. Our Zone 2 HMI are best-in-class, designed and built to give you what you need. As are our feature-rich Wireless Access Points.

Our Zone 1 products have ATEX certification and our Zone 2 products are certified as ATEX, IECEx and CSA Class 1 Zone 2 AEx compliant.

We control quality by managing the entire design and build process – beginning to end. Everything is assembled by us and every product that leaves the building has been subjected to the most rigorous quality assurance process imaginable. We should know – we designed that too.



- 01 AUSTRALIA/ NEW ZEALAND > Sales Partner www.hazware.com.au
- 02 CANADA > Sales Partner & Service Center www.controlinnovations.ca
- 03 HUNGARY > Sales Partner www.controrg.hu
- 04 ISRAEL > Sales Partner www.elgev.co.il
- 05 NETHERLANDS > Sales Partner www.dexter.eu
- 06 NORWAY > Sales Partner www.controls.com
- 07 POLAND > Sales Partner www.dacpolsu
- 08 SINGAPORE/MALAYSIA > Sales Partner www.oceancomms.com.sg
- 09 UK, MALTON > Global Headquarters, Sales Office & Service Center www.isis-ex.com
- 10 UK > Sales Partner www.exloc.co.uk
- 11 USA, HOUSTON > iSiS-Ex Inc Sales Office & Service Center www.isis-ex.com
- 12 USA > Service Center

CALL OUR DEDICATED SUPPORT TEAM (North America) +1 (281) 674 7815 (ROW) +44 (0) 1653 699 908

Designs and specifications subject to change without notice. Errors and omissions excepted.

TRUSTED, TESTED & RESPECTED

> ZONE 1 > iSiS470

A high specification Zone 1 HMI in an easy lift 28lbs

We don't think you should have to sacrifice features for size. Packing a 12" high resolution, multi-touch screen, a full workstation with flexible I/O is a solution that just works and is ideal for permanent or daily rig up/down applications. That's why our new sleek iSiS470 delivers high specification in an easy-lift 33lbs.

A precision-machined aluminum enclosure provides durability and low weight. A stunning high-bright, high resolution display delivers pin-sharp graphics. And a new Intel processor provides powerfully accelerated performance.

Just like its predecessor, the iSiS450, the iSiS470 is an HMI that shrugs off the worst that nature can throw at it and keeps on going. Small enough to fit, tough enough to survive and smart enough to perform: this is today's Zone 1 HMI.

iSiS470



iSiS470 rear



iSiS470 Connectors on rear



Zone 1 iSiS470

- Certified to ATEX, IECEx and AEx*
- Glove-friendly, multi-touch PCT TFT display
- IP66, NEMA 4X ingress protected
- Lightweight, only 15kg/33lbs
- -40°C to 60°C operating temperature, no heaters required
- Runs your preferred software: Windows 7 Professional and others
- With the same footprint as the iSiS450, existing users can simply slot the iSiS470 into their workflow
- With a powerful Intel processor plus our renowned high-bright, high resolution display, it stays fast and responsive whatever the conditions
- A choice of IS interfaces
- On-board health monitoring: temperature, shock/vibration, hours of use, etc.

Glove-friendly touch screen
Extended temperature
Multiple approvals



Typical Ex Code	II (2) GD Ex e mb ib [ib] IIC T4 Gb (Gb) Ex tb IIIB T135°C Dc IP66 Class I, Zone 1, AEx e mb ib [ib] IIC T4 Gb (Gb) Zone 21 Ex tb IIIB T135°C Db IP66
Power Requirements	AC: 90 to 240VAC, 50/60Hz, 1.2A rms maximum.
Operating Temperature	-40°C to +60°C.
Storage Temperature	-40°C to +80°C.
Humidity	10% to 90% RH operating, 0% to 100% non-operating.
Weight	< 15Kg / 33lbs
Size	385 (W) x 260 (H) x 116 (D) mm / 15.2" x 10.2" x 4.6"
Material	Enclosure: Machined aluminum enclosure, DIN EN 1706 EN AC-AISI 12 (Fe). Fixings and accessories: Stainless Steel AISI 316. Finish: Hard anodized natural finish.
Ingress Protection	IP66/NEMA4X.
Interfaces	IS Ethernet, USB, IS PS/2, fiber optic communications. Internal USB for safe area use.
Processor/Memory	Dual core ATOM N2800, 1.86GHz with 4Gb DDR3 SRAM.
Display	12.1", 600nit, 1024 x 768 resolution.
Controls	Front panel controls include brightness, on/off, clean-screen and useful keyboard functions
Touchscreen	Projected Capacitive with 4 touch-points.
On-Board Storage	64Gb mSATA solid state drive.
Diagnostics	User LED diagnostic indication.
Options	Wi-Fi connectivity. Bluetooth connectivity. Ex op is fiber-optic connectivity. Remote interrogation of on-board diagnostics. Larger capacity solid state drive. Carrying Handle, Panel and Yoke Mounts Kits.

Zone 1 Accessories



Wireless Access Point iSiS1900

- Lightweight ATEX, IECEx, CSA and AEx wireless access point
- Designed to be operated within a safe area
- Ex i antenna interface can facilitate Zone 1 and 2
- Tri-band wireless Wi-Fi IEEE 802.11a/b/g/h & Super AG
- Up to 108Mbps (Super AG mode).
- 4/128 bit WEP, WPA-PSK, WPA2-PSK, IEEE 802.1X (RADIUS) authentication.



Wireless Access Point iSiS1901

- Light and inexpensive: bypasses the need for heavy and costly Zone 1 Ex d solutions
- Designed to be operated within a safe area
- Configurable: meets statutory Wi-Fi requirements worldwide
- Versatile: quick, easy set-up and a range of mounting options
- Adaptable: can be used as access point, bridge or repeater
- Plus all the features of the iSiS1900.