> 1301-Z1 PC Workstation

At HMi Elements we have a reputation for elegant yet rugged Zone 2 HMI solutions. We've changed the way people think about Ex machines by daring to go light and slim. We've led the technological chase by introducing cutting-edge design to robust Ex machines. And we've stunned the marketplace by believing that rugged hazardous area computers should look like they could just as easily hang in a gallery as in a doghouse.

We revolutionised Zone 2. Now we're going to revolutionise Zone 1.

Meet the 1301-Z1, a slim-line ATEX, IECEx, AEx Zone 1 HMI that continues the revolution. It's easy to use with a super high-bright, high-resolution display. It's powerful, with an Intel processor and future proof CPU technology. And it's versatile thanks to its multiple mounting options and the ability to run a wide range of operating systems.

Change never looked so good.

Typical Ex Code	II (2) GD Ex e d mb ib [ib] IIC T4 Gb(Gb)
	Ex tb IIIB T135°C Dc IP66
	Class1, Zone 1, AEx e d mb ib [ib] IIC T4 Gb (Gb)
	Zone 21 Ex tb IIIB T135°C Db IP66
Power Requirements	Choice of universal operating voltages: PSU built in AC or DC
Operating Temperature	-40°C to +60°C.
Storage Temperature	-40°C to +85°C.
Humidity	10 to 90 % non-condensing, operating.
	0 to 100 % non-operating.
Weight	21.5Kg / 47.3lbs (Excluding connectors, cables and accessories)
Size	430(W) x 410(H) x 150(D)mm/16.9" x 16.1" x 5.9"
Material	Enclosure is Aluminium Alloy 7075 T6/T7 Hard Anodised Natural Finish. External Fixings and Accessories SS316 or similar
Ingress Protection	IP66/NEMA4X.
Interfaces	IS Ethernet, IS USB, IS PS/2, communications.
Processor/Memory	Intel iCore 6th/7th generation Memory Options 16Gybtes DDR4 or 32Gbytes DDR4 DRAM
Display	19" SXGA,1280x1024, wide viewing angle, 24 bit colour. Sunlight readable high brightness panel, IR filtering and anti-glare coating.
Touchscreen	Projected Capacitive.
Diagnostics	LED diagnostic indicators
Options	Wi-Fi connectivity Bluetooth connectivity Fibre optic connectivity Remote interrogation of on-board diagnostics Built in camera

> All the Class 1 Zone 1 approval you've been waiting for

Certified to ATEX, IECEx, AEx (NEC505) Section 18 CSA 22,2 EAC*

> Finally, a light and slim Zone 1 PC

Weighing in at just 21.5Kg / 47.3lbs, the 1301-Z1 is just 150mm/ 5inches thin

> Processing power galore, at the temperatures you need

The intel core i7 processor works 100% from -40°C to +60°C - no throttling back here.

> Bright as well as light

A high-bright 1000 nit display in the lightest of enclosures.

> Typical HMi Elements attention to detail

Machined from a single piece of aluminium, this is precision engineering at its finest.

*Approvals pending
Designs and specifications subject to change without notice.

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