HMi ELEMENTS™
REFINED STRENGTH

ZONE 1

The HMi 470-Z1

Ultra Rugged Driller's Display

ATEX, IECEX, AEX, CSA & EAC Certified

High bright LCD panel

A precision-machined aluminum enclosure provides durability and low weight. Multi-touch and glove friendly touchscreen, field-tested and proven to perform in the harshest environments.

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The HMi 470-Z1

1 ZONE

Certification

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

Lightweight

Weighing in at 33lb/15kg.
W 385 x H 260 x D 116mm; 15.2 x 10.2 x 4.6 inches

Crisp & Bright Display

Sunlight readable PCT display.

Versatile Mounting options

Choice of mounting & connector options Yoke, VESA and Panel mounting. Rear or bottom mounted connectors.

PRODUCT TYPE	PC Workstation / Driller's Display Unit (DDU)
MODEL NO	470-Z1
TYPICAL EX CODE	**ATEX**: Ex e ib mb [ib] IIC T4 Gb, Ex tb [ibD] IIIC T135°C Db **IECEx**: Ex e ib mb [ib] IIC T4 Gb, Ex tb [ibD] IIIC T135°C Db **USA**: Class I, Zone 1, AEx e ib mb [ib] IIC T4, Class II, Zone 21, AEx tb [ib] IIIC T135°C **Canada**: Ex e ib m [ib] IIC T4 Gb, Ex t [idD] IIIC T135°C Db
DISPLAY SIZE	12.1" LCD panel with LED backlight display
DISPLAY TYPE	Projected Capacitive Technology (PCT) - Multi Touch, Glove Friendly
RESOLUTION	1024 x 768
PROCESSOR	Quad Core N Series 1.83GHz
OPERATING SYSTEM	Windows 10 Enterprise LTSB, Windows 7 Professional
STORAGE	80GB, 160GB, 300GB
MEMORY	8Gb DDR3 SDRAM
ETHERNET OPTIONS	(optional) Copper Ethernet port 10/100/1000 Mbits/s Base-T (optional) Fibre Optic port via 850nM or 1310nM
WI-FI / BLUETOOTH	2.4GHz and 5GHz (802.11 ac,b/g/n) Bluetooth 5.0 Industrial-Grade (-40°C ~+85°C)
KEYBOARD / MOUSE	(optional) Intrinsically Safe PS/2 Interface
USB	Internal USB port for Safe area (optional) External USB type 2.0 port via ROTA DR4 connector
INGRESS PROTECTION	IP66 / NEMA4X
OPERATING TEMPERATURE	-40°C to +60°C (-40°F to +140°F)
STORAGE TEMP	-40°C to +80°C (-40°F to +176°F)
HUMIDITY	10 to 90 % non-condensing, operating 0 to 100 % non-operating
WEIGHT	< 33lbs / 15kg
DIMENSIONS	W 385 x H 260 x D 116mm; 15.2 x 10.2 x 4.6 inches
SHOCK & VIBRATION	Shock: In accordance with BS EN60068-2-27:2009 Vibration: In accordance with BS. EN60068-2-6:2008

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Design and specifications subject to change without notice.
Errors and omission excepted

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DOC-BRO-005-REV 1.2