



Note: shown with KB2-IS

The PC-EX1 provides full PC functionality in hazardous areas.

It comprises an explosion proof (Ex d) computer which may be connected to the optional intrinsically safe QWERTY keyboard and pointer.

The system provides an affordable compact PC for hazardous areas. It is less expensive than purged systems and does not require the high level of maintenance associated with them.

The unit is well suited for the oil and gas industry, petrochemical, paint lines etc.

## FEATURES

- COMPACT
- FULL QWERTY KEYBOARD
- CLEAR COLOUR TFT DISPLAY
- SIMPLE INSTALLATION
- RUGGED
- SEALED TO IP65
- SHOCK MOUNTED PC CHASSIS



# "PCEX1 - a Tough Computer for Tough Conditions"

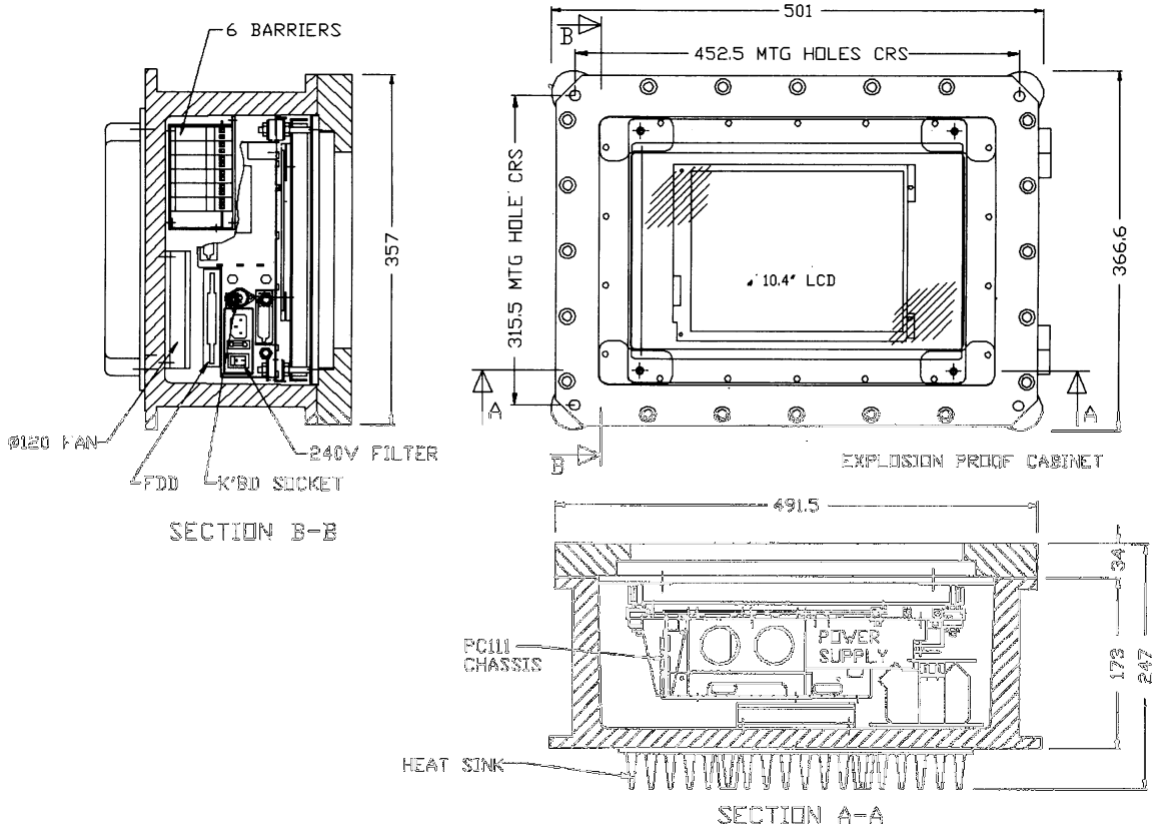
## GENERAL SPECIFICATIONS

<b>POWER:</b>	87 ~264 VAC, 47~63 Hz, 60W (others available on request)
<b>CONSTRUCTION:</b>	PC -Cast aluminium, glass window. Keyboard -Stainless steel, Powder coated. Polyester membrane with stainless steel overlay
<b>ENVIRONMENTAL:</b>	
<b>Sealing:</b>	IP64/NEMA4
<b>Temperature:</b>	Operating 0-50 <sup>0</sup> C Non-Operating -20 <sup>0</sup> C to + 70 <sup>0</sup> C
<b>Humidity</b>	10-90% RH internal (non condensing) 0-100% RH external
<b>Shock:</b>	15g (11 mS duration) 3 axis (operating & non operating)
<b>KEYBOARD:</b>	82 key QWERTY membrane keys with tactile feedback
<b>DISPLAY:</b>	10.4" 640x480 Colour TFT or 12.1" 800 x 600 colour TFT
<b>BARRIERS INCLUDED:</b>	A single dual channel Zener barrier is required
<b>APPROVALS:</b>	PC ENCLOSURE: AS2380.1—1989.AS2380.2—1991 (INCORPORATING AMENDMENT 1 ) & as 1939-1990 Exd iiB T2-T6 IP65 class1 zone 1: Certificate Number: EX350-4 7/12/95 KEYBOARD: Australian standard 2380.1—1989,2380.7—1987 & 1939—1990 Certificate Number EX3061X.

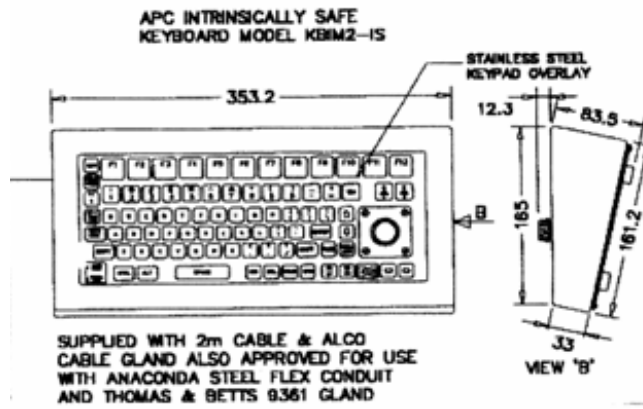
## CONFIGURATION

<b>MOTHERBOARD:</b>	Nexcom EBC569LP6 onboard LAN, VGA and AUDIO
<b>C.P.U</b>	Embedded VIA EDEN Series Ultra Low Power CPU 667 MHZ
<b>RAM:</b>	256Mb SDRAM standard
<b>H.D.D:</b>	2.5" 20Gb standard
<b>F.D.D:</b>	3.5" FDD

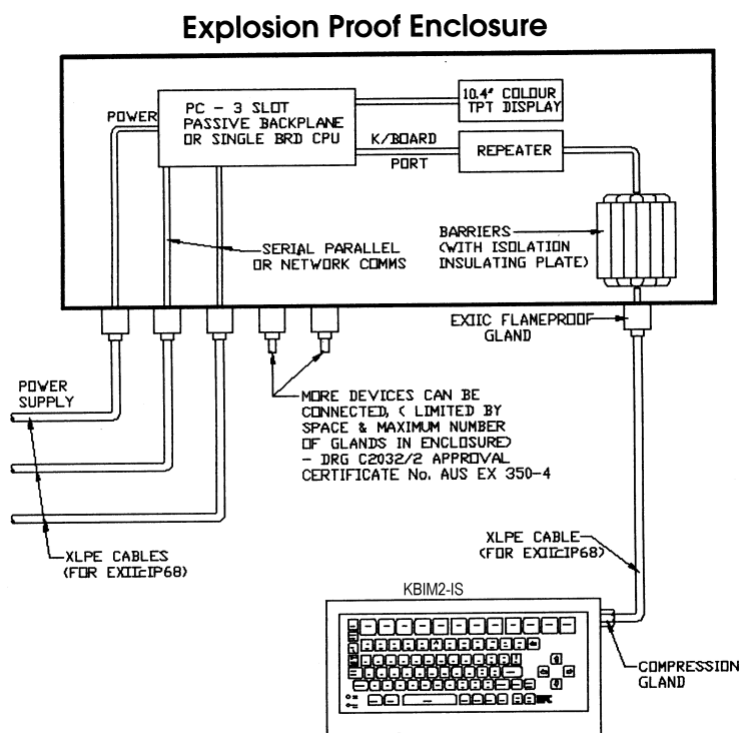
# DIMENSIONS



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## DIMENSIONS



All cables and cable entries must comply with appropriate class and zone. For Ex IIC IP68 ALCO UFP Series glands with XLPE cables are suitable. Field cabling is the responsibility of the customer

Various glands sizes can be used from M20 to M63 entries.

The enclosure can have up to 10 M32 entries per side. The location and size of the holes in explosion proof enclosure must be as per Govan Industries DWG C2032 Rev 2.

The unit is fitted with an external earth stud and this must be earthed as per regulations.

If there is the potential for explosion proof enclosure to be opened whilst the area is still hazardous - with or without power on - then the unit should be fitted with a label:

**AREA MUST BE MADE SAFE BEFORE OPENING**



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