



## ExPC Technical Specification 031110

Power requirements	90-264V AC @ 50-60Hz
Power Consumption	25W typ.
<b>Dimensions</b>	
Interface	320x240x60mm
Display	335x320x50mm
Keyboard	335x227x20mm
<b>Weight</b>	
Interface	3.5Kg
Display	8.0Kg
Keyboard	1.5Kg
Stand	2.0Kg

## Declaration of Conformity - DISPLAY

<p>The Display is Intrinsically Safe Apparatus, Category 1, suitable for use in Zone 0 hazardous areas.</p> <p>The manufacturer hereby declares with sole responsibility that the ADT645 Display and Keyboard complies with the following International and EU directives and standards:</p>		
89/336EEC EMC	Emissions EN 61000-6-4 2007	Industrial Environment
	Immunity EN 61000-6-1 2007	Residential, commercial and light industrial
	Immunity EN 61000-6-2 2005	Industrial Environment
FCC/CFR 47:15	FCC/CFR 47:Part 15:2009	Unintentional Radiators
	EN60529: 1992	Ingress Protection: IP54
94/9/EEC ATEX	EN 60079-0:2006	Electrical apparatus for explosive gas atmospheres - Part 0: General requirements
	EN 60079-11:2007	Electrical apparatus for explosive gas atmospheres - Part 11: Intrinsic safety 'i'
	EN 60079-18: 2004	Electrical apparatus for explosive gas atmospheres - Part 18: Encapsulation 'm'

	EN60079-26:2007	Explosive atmospheres. Equipment with equipment protection level (EPL) Ga
IECEX	IEC 60079-0:2004 Ed: 4	Electrical apparatus for explosive gas atmospheres - Part 0: General requirements
	IEC 60079-11:2006 Ed: 5.0	Electrical apparatus for explosive gas atmospheres - Part 11: Intrinsic safety 'i'
	IEC 60079-18: 2004 Ed: 2.0	Electrical apparatus for explosive gas atmospheres - Part 18: Encapsulation 'm'
	IEC60079-26:2006 Ed: 2	Explosive atmospheres. Equipment with equipment protection level (EPL) Ga
Notified Body		Baseefa Ltd. Ref No: - 1180
FM	FM3600: 11/98	Approval Standard for Electric Equipment for use in Hazardous (Classified) Locations -General Requirements
	FM3610: 10/99	Approval Standard for Intrinsically Safe Apparatus and Associated Apparatus for Use in Class I, II, & III, Division 1, and Class I, Zone 0 & 1 Hazardous (Classified) Locations
	ANSI/ISA-60079-18 (12.23.01)-2005	Electrical Apparatus for Use in Class I, Zone 1 Hazardous (Classified) Locations Type of Protection - Encapsulation
Notified Body		FM Approvals Ltd.
Special Conditions		Ambient Temperature 0°C to +40°C

The Serial port available to the user in the hazardous area has the following parameters	
<b>Output Parameters</b>	$U_o = 11.7V$
	$I_o = 0.092A$
	$P_o = 0.266W$




	EN 60079-11:2007	Electrical apparatus for explosive gas atmospheres - Part 11: Intrinsic safety 'i'
	EN60079-26:2007	Explosive atmospheres. Equipment with equipment protection level (EPL) Ga
IECEX	IEC 60079-0:2004 Ed: 4	Electrical apparatus for explosive gas atmospheres - Part 0: General requirements
	IEC 60079-11:2006 Ed: 5.0	Electrical apparatus for explosive gas atmospheres - Part 11: Intrinsic safety 'i'
	IEC60079-26:2006 Ed: 2	Explosive atmospheres. Equipment with equipment protection level (EPL) Ga
Notified Body		Baseefa Ltd. Ref No: - 1180
FM	FM3600: 11/98	Approval Standard for Electric Equipment for use in Hazardous (Classified) Locations -General Requirements
	FM3610: 10/99	Approval Standard for Intrinsically Safe Apparatus and Associated Apparatus for Use in Class I, II, & III, Division 1, and Class I, Zone 0 & 1 Hazardous (Classified) Locations
Notified Body		FM Approvals Ltd.
Special Conditions		None


ADT645 Interface      Serial No. INT YY/ZZZ

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(Ga) [Ex ia] IIB  
IECEX BAS 08.0052


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 II (1) G (Ga) [Ex ia] IIB  
Baseefa08ATEX0168

Manufactured by:- INTECPC LTD, POYNTON, SK12 1PQ, UK       1180

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 Associated apparatus for CL I, DIV 1, GPS C,D  
Um = 253Vac      Control Drawing 213-703.

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