



ExPC Technical Specification 031110

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|--------------------|----------------------|
| Power requirements | 90-264V AC @ 50-60Hz |
| Power Consumption | 25W typ. |
| Dimensions | |
| Interface | 320x240x60mm |
| Display | 335x320x50mm |
| Keyboard | 335x227x20mm |
| Weight | |
| 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' |


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| | 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 |

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

ADT645 Display Serial No. **DIS YY/ZZZ**


Ga Ex ma ia IIB T5 (0°C ≤ Ta ≤ 40°C)
IECEX BAS 08.0051X

 II 1G Ga Ex ma ia IIB T5 (0°C ≤ Ta ≤ 40°C)
Baseefa08ATEX0167X

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

FOR ENGINEER ON/OFF
USE ONLY

ADT645 Display Serial No. **DIS YY/ZZZ**

 **CL I, DIV 1, GP C,D T5 (0°C ≤ Ta ≤ 40°C)**
Control Drawing 213-703

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

KEYBOARD MOUSE SCALE SCALE
 POWER


Declaration of Conformity – INTERFACE


| | | |
|--|-----------------------------|---|
| <p>The Interface is Associated Intrinsicly Safe Apparatus, Category 1, suitable for supplying Zone 0 equipment. The manufacturer hereby declares with sole responsibility that the ADT645 Interface 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 |
| 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' |
| | 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**

(Ga) [Ex ia] IIB
IECEX BAS 08.0052

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

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

ADT645 Interface Serial No. **INT YY/ZZZ**

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

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

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