

Operating and monitoring systems

KVM system SERIES 600

Device platform MANTA

OS IT-667-DVI3-SM



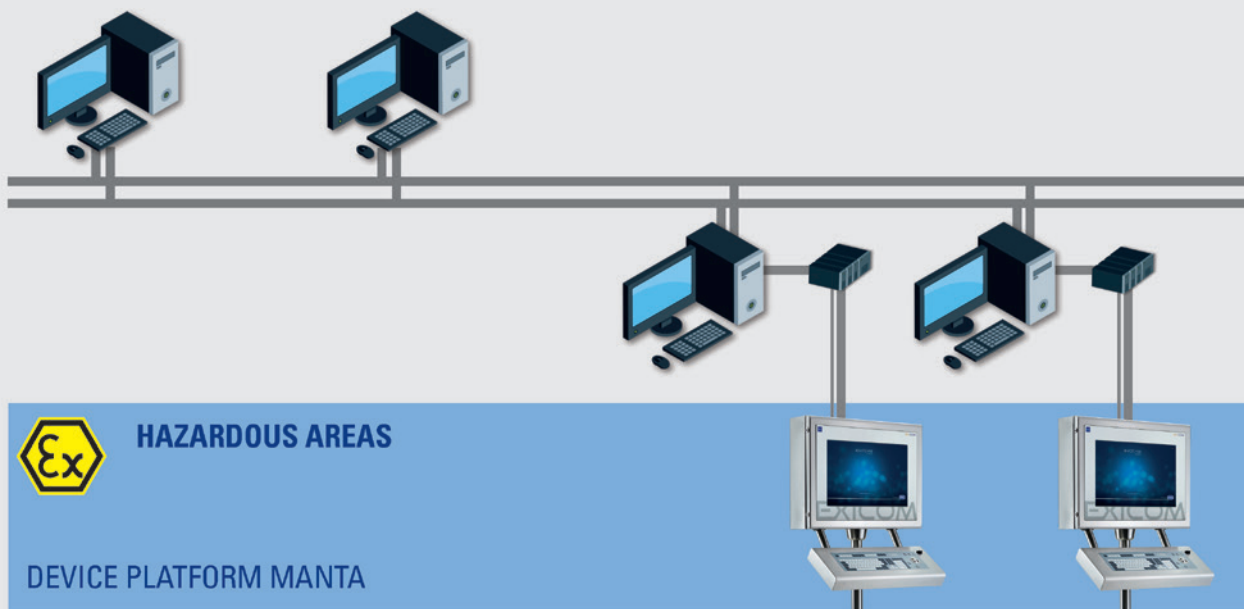
- KVM Operator Station, 22" display, 1680 x 1050
- For installation in safe areas
- Display of the 19" (1280 x 1024) resolution true to 5:4 format
- Optional resistive glass or foil touch screen
- Data transmission via single mode fibre optic up to 10 km

WebCode **IT667A**

The OS IT-667-DVI3 HMI series includes KVM Operator Stations for safe areas. Their brilliant 22" widescreen displays with a resolution of 1680 x 1050 pixels (format 16:10), are available with or without touch screen. The stainless steel enclosures (SS304 or SS316L) are available with a front opening or in cleanroom-compliant design and with different mounting options. Country-specific keyboards, pointer instruments and RFID and barcode scanners are useful accessories making work easier and extending functionality. Data is transmitted via single mode fibre optic up to 10 km.

KVM SYSTEMS INTEGRATION

PC WORKSTATIONS



Technical Data

General

| | |
|--------|---|
| Series | Operator Station OS IT-667 (discontinued) |
|--------|---|

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General

| | |
|---------------------|------------------|
| Product description | 22" KVM system |
| Technology | Remote HMI KVM |
| HMI type | Operator Station |
| WebCode | IT667A |

Explosion Protection

| | |
|---------------------------|--------|
| Application range (zones) | Non-Ex |
|---------------------------|--------|

Electrical Data

| | |
|------------------------------|--|
| Rated operational voltage DC | 24 V |
| Voltage range DC | 20 – 30 V |
| Rated operational voltage AC | 230 V |
| Voltage range AC | 100 – 240 V |
| Power consumption DC | 3 A |
| Power consumption AC 1 | 1 A |
| Protection fuse DC | 5 AT |
| Protection fuse AC | 5 AT |
| Rated operational power | typ. 50 W / 100 W with O30 / max. 150 W (typ. 170 BTU / 341 BTU with O30 / max. 510 BTU) |
| Transfer technology | KVM-DVI3 |
| Ethernet / Data | Optical fibre single mode |
| Data cable | 9/125 µm FO cable |
| Data cable length | max. 10 km |
| Interface medium | Single mode optical fibre cable |
| Frequency range | 50 – 60 Hz |
| Interface USB | 2 x USB (Hub) 1 x USB (Root) 2 x USB (Hub) (keyboard, pointing device) |
| Interface serial | 1 x RS-232 |
| Interface audio | 1 x Audio Line in / out |
| WLAN | optional via USB |
| Connections | via standard plug |
| Plug version FO | LC duplex connector |
| Plug version USB | USB-A connector |
| Max. input voltage U_m | 250 VAC |

Display

| | |
|----------------------------------|-----------------------|
| Display version | TFT Colour display |
| Display version 2 | 16.7 million colours |
| Display size inch | 22 |
| Display size centimetres | 56 |
| Display resolution | WSXGA+ |
| Total pixels | 1680 x 1050 |
| Display dimensions | 16:10 |
| Display brightness | 250 cd/m ² |
| Display contrast | 1000:1 |
| Display viewing angle horizontal | 178° at CR ≥5 |
| Display viewing angle vertical | 170° at CR ≥5 |

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Display

| | |
|---|---|
| Display | Glass |
| Touchscreen | Optional resistive |
| Touchscreen technology | 5-wire glass or membrane touch |
| Touchscreen activation | Foil touch: low activation pressure (0.1 up to max. 1 N) Glass touch: medium activation pressure (1.8 up to max. 2.5 N) |
| Touchscreen input method | Finger, gloved finger or stylus |
| Touchscreen durability | Foil touch: Polyester foil is easily scratched, with high pressure force the spacer dots could be damaged. Glass touch: Quite good, but with high pressure force the spacer dots could be damaged. |
| Touch screen scratch hardness MoHS | Foil touch: - Glass touch: >5 |
| Touchscreen scratch hardness pencil test ISO15184 | Foil touch: 3H Glass touch: 9H |
| Touchscreen transmissivity / optic | Foil touch: small milky effect due to the foil Glass touch: very good |
| Touchscreen surface contaminants | unaffected |
| Touchscreen abrasive resistance | 36 million times with a silicone rubber of R8 finger, hitting rate 250 g at 2 times per second |
| Backlight | LED Technology |
| Backlight service life | 50 000 h at +20 °C |
| Front plate (display) | Aluminium |

Ambient Conditions

| | |
|---------------------------------|--|
| Ambient temperature operation | -20 °C ... +55 °C |
| Ambient temperature operation 1 | -30 °C ... +55 °C with heater version O30 |
| Storage temperature | -30 °C ... +70 °C |
| Cold start temperature | -10 °C |
| Temperature note 1 | The O30 version is only available for the AC version devices ! |
| Temperature note 2 | Operating temperature +55 °C for a maximum of 5 h, for constant operation (24/7) +50 °C. |
| Temperature note 3 | Cold start temperature: If the HMI device is switched on at a temperature below -10 °C the display will need a certain amount of time to warm up until everything is clearly visible. Depending on how low the temperature is, this process may take up to 3 hours. |
| Temperature note general | The temperature details apply to a standard device combination with display, keyboard and enclosure. Any additional built-in or added components may have an impact on / change these. |
| Heat dissipation | about 40 % via the front plate and 60 % via the enclosure |
| Relative humidity | 10 to 90 % at +40 °C, non-condensing |

Mechanical Data

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|----------------------|--|
| Dimensions (WxHxD) | 740 mm x 872 mm x 400 mm |
| Weight | 42.5 kg |
| Material front | Aluminium / stainless steel |
| Material back | Stainless steel |
| Ingress protection | IP66 |
| Breather | optional |
| Mechanical data note | The mechanical data apply to an FR enclosure with display and keyboard. Other enclosure types as well as any additional built-in or added components may have an impact on / change these. |

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Mounting / Installation

| | |
|-----------------|---|
| Enclosure type | Stainless steel enclosure (FR) optional GMP / clean room (CFR) |
| Mounting option | Wall, elbow, stand |

Components

| | |
|----------|---|
| Keyboard | optional, 107 keys with trackball / joystick / mouse / touchpad |
|----------|---|

We reserve the right to make alterations to the technical data, dimensions, weights, designs and products available without notice. The illustrations cannot be considered binding.