



## TECHNICAL DATA

| Diagonal Model   | 32"<br>6932 PD IP-TEC                         | 40"<br>6940 PD IP-TEC  | 46"<br>6946 PD IP-TEC  |
|--|---|--|--|
| <b>Display</b>   |   |  |  |
| Panel type:  | LCD/TFT                                       | LCD/TFT  | LCD/TFT  |
| Size / diagonal:   | 32" – 80cm                                    | 40" – 102cm  | 46" – 117cm,   |
| Active screen dimensions (h x v):                          | 697 x 392mm                                   | 885 x 498mm  | 1018 x 572mm   |
| Resolution:  | 1366 x 768 (pixel)                            | 1366 x 768 (pixel)   | 1366 x 768 (pixel)   |
| Format:  | 16:9  | 16:9   | 16:9   |
| Colour performance:  | 16.7 Mio colour simultaneously (full colour)  | 16.7 Mio colour simultaneously (full colour)                                 | 16.7 Mio colour simultaneously (full colour)                                 |
| Viewing angle:   | 178° (typical)                                | 178° (typical)   | 178° (typical)   |
| Contrast ratio:  | 1000:1 (typical)                              | 2000:1 (typical)   | 2000:1 (typical)   |
| Brightness:  | 500 cd/m <sup>2</sup> (max.)                  | 700 cd/m <sup>2</sup> (max.)   | 700 cd/m <sup>2</sup> (max.)   |
| Safety / contrast enhancement panel:                       | anti-glare, 85% light transmission typical    | anti-glare, 85% light transmission typical                                   | anti-glare, 85% light transmission typical                                   |
| <b>Environmental conditions</b>                            |   |  |  |
| Temperature (with internal climate control):               | -15°C - + 40°C (op.), -20°C - +60°C (non-op.) | -15°C - + 40°C (op.), -20°C - +60°C (non-op.)                                | -15°C - + 40°C (op.), -20°C - +60°C (non-o.)                                 |
| Extended temperature range (option):                       | -25°C - + 40°C (op.), -20°C - +60°C (non-op.) | -25°C - + 40°C (op.), -20°C - +60°C (non-op.)                                | -25°C - + 40°C (op.), -20°C - +60°C (non-op.)                                |
| Temperature (w/o internal climate control):                | 0°C - + 40°C (op.), -20°C - +60°C (non-op.)   | 0°C - + 40°C (op.), -20°C - +60°C (non-op.)                                  | 0°C - + 40°C (op.), -20°C - +60°C (non-op.)                                  |
| Humidity:  | 10% - 90% (non-condensing)                    | 10% - 90% (non-condensing)   | 10% - 90% (non-condensing)   |
| IP-Protection:   | IP54  | IP54 / IP65  | IP54 / IP65  |
| <b>Power</b>   |   |  |  |
| Power supply:  | 230V AC (115V AC on request), 50/60Hz ±6%     | 230V AC (115V AC on request), 50/60Hz ±6%                                    | 230V AC (115V AC on request), 50/60Hz ±6%                                    |
| Power consumption (per panel), depending on configuration: | 115W (typical)<br>315W (IP54, heating active) | 160W (typical)<br>300W (IP54, heating active)<br>320W (IP65, heating active) | 230W (typical)<br>370W (IP54, heating active)<br>410W (IP65, heating active) |
| <b>Dimensions &amp; Weight</b>                             |   |  |  |
| H x W x D / kg:  | IP54 595 x 931 x 183 mm / 40.0 kg ±10%        | 678 x 1128 x 153 mm / 55.5 kg ±10%   | 754 x 1260 x 153 mm / 74.5 kg ±10%   |
| H x W x D / kg:  | IP65 not available with IP65 protection       | 678 x 1128 x 210 mm / 64 kg ±10%   | 754 x 1260 x 210 mm / 82 kg ±10%   |

## Approvals - Options - Accessories - Colour - Configurations - Connectors

### Approvals

|           |  |
|-----------|--|
| EMI/EMC : | EN55022 class A, EN55024, EN61000-3-2/-3 |
| Safety:   | EN60950, CE                              |

### Options

Wall mount bracket

Ceiling mount bracket

Tilt wall mount (not for 6982 PD IP-TEC)

6232 / 6240 / 6246 PD chassis-only.

Display parameters, connectors, etc. as described for 69xx PD IP-TEC series. No safety/contrast enhancement panel, no approvals, differing power consumption.

Outline dimension drawings available on request.

**NEW** Touch Panel (Acoustic Touch ReverSys™)  
Specification as per separate datasheet

### Supplied Accessories

Operating Manual (E)

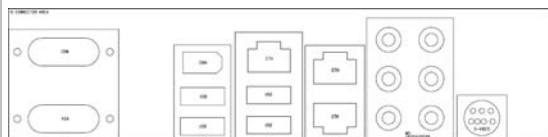
### Colour

Standard colour cabinet/front panel: RAL 9006 (white aluminium), powder coated

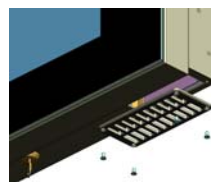
### Controls

Control of display functions: Via IR keyboard or via network

### Internal Connectors



**NEW** To avoid time consuming expensive maintenance, an elaborate concept allows the exchange of filters in the IP54 version without even having to open the housing.\*



\*Different filter solution for 6932 PD IP-Tech and 6982 PD IP-Tech.

## TECHNICAL DATA

| Diagonal Model   | 82"<br>6982 PD IP-TEC                         |                                      |
|--|---|--------------------------------------|
| <b>Display</b>   |   |                                      |
| Panel type:  | LCD/TFT                                       |                                      |
| Size / diagonal:   | 82" – 208cm                                   |                                      |
| Active screen dimensions (h x v):                          | 1805 x 1015mm                                 |                                      |
| Resolution:  | 1920 x 1080 (pixel)                           |                                      |
| Format:  | 16:9  |                                      |
| Colour performance:  | 16.7 Mio colour simultaneously (full colour)  |                                      |
| Viewing angle:   | 170° (typical)                                |                                      |
| Contrast ratio:  | 1200:1 (typical)                              |                                      |
| Brightness:  | 600 cd/m <sup>2</sup> (max.)                  |                                      |
| Safety / contrast enhancement panel:                       | anti-glare, 85% light transmission typical    |                                      |
| <b>Environmental conditions</b>                            |   |                                      |
| Temperature (with internal climate control):               | -15°C - + 40°C (op.), -20°C - +60°C (non-op.) |                                      |
| Extended temperature range (option):                       | -25°C - + 40°C (op.), -20°C - +60°C (non-op.) |                                      |
| Temperature (w/o internal climate control):                | 0°C - + 40°C (op.), -20°C - +60°C (non-op.)   |                                      |
| Humidity:  | 10% - 90% (non-condensing)                    |                                      |
| IP-Protection:   | IP54  |                                      |
| <b>Power</b>   |   |                                      |
| Power supply:  | 230V AC (115V AC on request), 50/60Hz ±6%     |                                      |
| Power consumption (per panel), depending on configuration: | 1000W (typical)<br>< 3000W (max.)             |                                      |
| <b>Dimensions &amp; Weight</b>                             |   |                                      |
| H x W x D / kg:  | IP54  | 2185 x 1420 x 370 mm / 300.0 kg ±10% |
| H x W x D / kg:  | IP65  | not available with IP65 protection   |

## IPC

CONRAC flat screen displays with integrated Industrial PC (IPC) are intelligent terminals. Designed for 24/7 operation, this embedded solution offers an extremely reliable platform in networked applications. The consequent use of components from the Intel embedded roadmap secures lowest power consumption as well as optimum performance and reliability. Remote monitor control allows monitoring and control of display settings such as stand-by, brightness and contrast, but also information such as temperature, maintenance status, etc.

All displays are delivered with MS Windows XP embedded operating system and the CONRAC tray software tool for easy maintenance control.

|                       | IPC   |   |   |
|-----------------------|---|---|---|
|                       | IPC Basic   | IPC Performance   | IPC High End  |
| Processor:            | Intel Celeron M 1,86 GHz                                  | Intel Core Duo M 2,0 GHz                                  | Intel Core 2 Duo M 2,16 GHz                               |
| Memory:               | 40GB HDD 2,5"   | 40GB HDD 2,5"   | 40GB HDD 2,5"   |
| DDRAM2:               | 1GB (2x 512MB Dual Channel)                               | 1GB (2x 512MB Dual Channel)                               | 2GB (2x 1GB Dual Channel)                                 |
| Video memory:         | 224MB (DVMT 3.0)  | 224MB (DVMT 3.0)  | 224MB (DVMT 3.0)  |
| MPEG decoder:         | MPEG1/2/4 software decoding                               | MPEG1/2/4 software decoding                               | MPEG1/2/4 software decoding                               |
| Network adapter:      | 3 x Ethernet 10/100/1000 BaseT                            | 3 x Ethernet 10/100/1000 BaseT                            | 3 x Ethernet 10/100/1000 BaseT                            |
| Audio                 | 7.1 HD Audio Codec  | 7.1 HD Audio Codec  | 7.1 HD Audio Codec  |
| Peripheral interface: | 1 x RS232, 4 x USB 2.0,<br>1 x Firewire (IEEE1394a)       | 1 x RS232, 4 x USB 2.0,<br>1 x Firewire (IEEE1394a)       | 1 x RS232, 4 x USB 2.0,<br>1 x Firewire (IEEE1394a)       |
| Watchdog:             | Hardware Watchdog   | Hardware Watchdog   | Hardware Watchdog   |
| Software:             | Windows XP Embedded,<br>installed on HDD                  | Windows XP Embedded,<br>installed on HDD                  | Windows XP Embedded,<br>installed on HDD                  |
| <b>IPC options</b>    |   |   |   |
| HDD option:           | Compact Flash 2/4/8GB<br>120GB HDD 2,5"<br>250GB HDD 2,5" | Compact Flash 2/4/8GB<br>120GB HDD 2,5"<br>252GB HDD 2,5" | Compact Flash 2/4/8GB<br>120GB HDD 2,5"<br>250GB HDD 2,5" |

**Developed / Designed / Made in Germany**

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