



# GECMA Remote Terminal

## Remote Terminals for Hazardous Areas - Zone 1/2 (Gas), - 22 (Dust)

- Platform, modular design concept
- Slimline housing
- Specified for use in hazardous areas
- Full HD, 16:9 for 22" and 24"\* version
- Display options 19" - 24", in different resolutions\*
- Fibre optic or copper\* data transmission
- Highest dependability
- Future proof 'transparent' USB interface
- Savings of software licence costs
- Ex-approvals



**The GECMA RT operating terminals are designed to enhance visualization within your process using full HD displays ranging from 19 to 24 inches\*.** They can be specified for use as a remote terminal within the strictest of hygienic conditions, aggressive indoor and outdoor production environments and in Ex areas typically found in Pharmaceutical, Chemical, Petro Chemical, Oil & Gas and Off-shore manufacturing.

**This latest generation of remote terminal from MTL allows digital data communications** to a localised terminal via copper\* or fibre optic cable, giving you seamless transmissions over significantly longer distances if required. The video system will scale any known video input modes into the native format of the LCD panel whilst preserving the aspect ratio of the source image, offering the best image quality.

**GECMA RT displays are of the highest industrial quality,** to ensure the best readability the terminal incorporates optical bonding and LED-backlit technology resulting in a high resolution image in a low power display.

**The GECMA RT terminals are designed to conform to a wide band of international Ex-approvals.** International companies can operate using the same system, setup and interfaces worldwide, increasing overall safety, reliability and highest dependability across their business, whilst offering easy installation, individual design and consistency with a 'state of the art' solution.

**Its slim, flexible modular construction** can be used in even the harshest environments and allows the GECMA RT to be specified to meet your plants requirements with the added benefit of a quality product. This not only shortens delivery time considerably but with maintenance now possible by changing modules even on site, increases your plants availability.

**GECMA RT is also available with a large range of specialist housing options,** the modular design concept enables you to benefit from a cost effective, tailored and customised solution for your application installation.

**The new 'transparent' USB interface** future-proofs your investment and allows easy expansion for additional connected devices, such as scanners or printers. GECMA RT also supports WLAN and Bluetooth.

**Existing systems can be upgraded quickly and easily** without installing new cables, resulting in state-of-the-art visualisation technology utilising existing cables (applicable to copper\* versions only).

**Crouse-Hinds**  
by **EATON**

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## SPECIFICATION (BASED UPON 21.5" DISPLAY VERSION)

### ELECTRICAL

<b>Screen size:</b>	21.5 inch (54 cm) - across diagonal
<b>Screen type:</b>	LCD thin film technology (TFT) with LED backlight
<b>Resolution:</b>	1920 x 1080 pixels, lower resolutions are interpolated
<b>Number of colours:</b>	16.7 million
<b>Brightness:</b>	250 cd/m <sup>2</sup>
<b>Contrast ratio:</b>	1000:1 typical
<b>Viewing angle:</b>	170/160° typical at CR ≥ 10
<b>Touch screen (optional):</b>	Resistive 5-wire touch screen glass.
<b>Technology:</b>	Proprietary full digital KVM transmission

### TRANSMISSION UNIT

<b>Power supply:</b>	100 - 240VAC 50/60Hz
<b>Input power:</b>	10W (typical) 48W (maximum) @ 4-fold Rack
<b>Data and KB/ Mouse port:</b>	USB
<b>Serial port:</b>	RS232
<b>Video In:</b>	DVI-D (DVI-I / VGA on request)
<b>Video out:</b>	DVI-D

### DISPLAY UNIT

<b>Power supply:</b>	100 - 240VAC 50/60Hz or 24VDC
<b>Input power:</b>	70W (typical) 100W (maximum)
<b>Keyboard/Mouse port:</b>	PS/2, USB
<b>Universal port:</b>	USB 2.0 (transparent on request)
<b>Serial port:</b>	RS232
<b>Data cable (copper):</b>	CAT 6A or higher recommended*
<b>Fibre-optic cable:</b>	Multi mode or Single mode

### ENVIRONMENTAL

<b>Temperature:</b>	-10°C - +50°C wider temperature range on request
<b>Ingress protection:</b>	IP65 (front side)

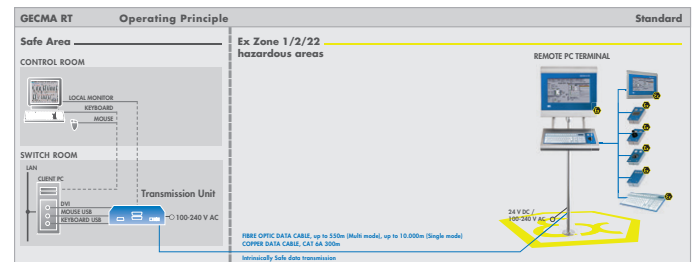
### MECHANICAL

<b>Housing material:</b>	Stainless Steel V2A, EN std 1.4301, SAE grade 304 V4A, EN std 1.4404, SAE grade 316L (optional) Electro polishing (optional)
<b>Display unit only Weight:</b>	Approx. 29 kg
<b>Dimensions (mm):</b>	(W x H x D) 635 x 420 x 110
<b>Complete terminal Weight:</b>	(Includes enclosure and peripherals, excludes mounting components) Approx. 56kg
<b>Dimensions (mm):</b>	(W x H x D) 710 x 600 x 130

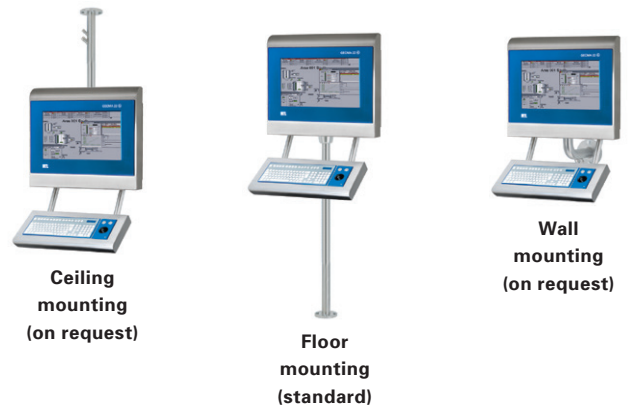
### CERTIFICATION

<b>Authority:</b>	Certification is pending
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### OPERATING PRINCIPLE



### ENCLOSURE OPTIONS



Further enclosure options on request

\*Please contact your local sales office for these options

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