



# OPEN HMI with 19" Display



With the Exicom ET-456 and Provicom MT-456, R.STAHL HMI Systems is launching the top models of the powerful Open HMI series with standard hardware interfaces and an open operating system. These new models have a brilliant 19" display with a touch screen. Standardization is made easy with these user-friendly devices: depending on requirements, they can be run either with the visualization software of major providers or they can be used as Thin Clients in network environments.

## Highlights:

- Universal operating and monitoring device for installation in hazardous locations of zones 1, 2, 21 and 22 (Exicom) or zones 2 and 22 (Provicom)
- Windows XP embedded or professional operating system
- 1 GB RAM, Flash Disk with 1 or 4 GB, upgradeable to up to 60 GB HD
- Multilingual installation with support of 25 different languages and fonts such as German, English, French, Chinese, Japanese, Cyrillic and others
- Touch screens with soft keyboards for 150 language layouts
- Designed for industrial environments with an ambient temperature of up to 50°C
- Option to integrate card reader systems (Barcode, RFID, Wiegand)
- Fast backup and recovery function via USB
- Several communication interfaces such as WLAN\*, Ethernet, Bluetooth\*, serial, USB and Profibus\* (\* via USB)



# Exicom

## ET-456



### Exicom ET-456 and Provicom MT-456



Technical Data

<b>ATEX</b>	ET-456	II 2 (2)G Ex d e mb I b [ib] [opis] IIC T4 II 2 D Ex tD A21 IP65 T90°C
<b>ATEX</b>	MT-456	II 3 (2) G Ex nA nL [nL] [ib] IIC T4 II 2 aD Ex IP65 T90°C
<b>Display</b>	ET- / MT-456	TFT-Color, 262.144 Colours
Display size		19"
Resolution		SXGA 1280 x 1024 pixels
Backlight		CFL Backlight
Life time at 25°C		50.000h
Brightness		300 cd/m²
<b>Operating components</b>	ET- / MT-456	
Touch screen analogue resistive		8 Wire Touch screen
Keyboard		Polyester membrane on aluminium plate
Function keys/ letterable		8/ -
Softkeys		-
Alpha and system keys		-
Keyboard 105 keys		optional
Track ball/ Joystick		optional
<b>Interfaces</b>	ET-456	
Ethernet		100Base-Fx Fibre Optic (Ex op is)
USB		2 Ex e / 2 Ex i
Seriell RS-232 or RS-422		2 Ex e
Profibus DP / MPI (optional)		Feldbus-Bridge/ MPI-Box
<b>Interfaces</b>	MT-456	
Ethernet		10/100Base-Tx RJ45
USB		2 Ex nA / 2 Ex i
Seriell RS-232 or RS-422		2
Profibus DP / MPI (optional)		Fieldbus Bridge / direct connection

<b>Processor</b>	ET- / MT-456	Pentium M up to 1,6 GHz
<b>RAM</b>		1 GB
Flash disk/ extension		1 GB or 4 GB/ up to 60 GB
Powersupply voltage / current		24V DC / max. 2,6 A
Operating system		Windows XP embedded or professional
<b>Ambient conditions</b>	ET- / MT-456	
Protection class (front / back)		IP65/ IP65
Operation		-10°C - +50°C
Storage		-20°C - +60°C
Humidity (without condensation)		90% at +40°C
Vibration operation		3 to 22 Hz 1mm amplitude, 22 to 500 Hz 1g
Shock operation / transport		15g / 11ms 25g / 6ms
<b>Dimensions</b>	ET- / MT-456	
Front (H x W)		425 mm x 535 mm
Cut out (H x W x D) (+/- 0.5 mm)		412.5 mm x 522.5 mm x 165 mm
<b>Accessories (optional)</b>	ET- / MT-456	
Barcode scanner		✓
RFID reader		✓
USB stick		✓



R. STAHL HMI Systems GmbH  
 Im Gewerbegebiet Pesch 14, 50767 Cologne, Germany  
 Tel: + 49 221 59 808 -200  
 Fax: + 49 221 59 808 -260

➔ [www.stahl-hmi.com](http://www.stahl-hmi.com)