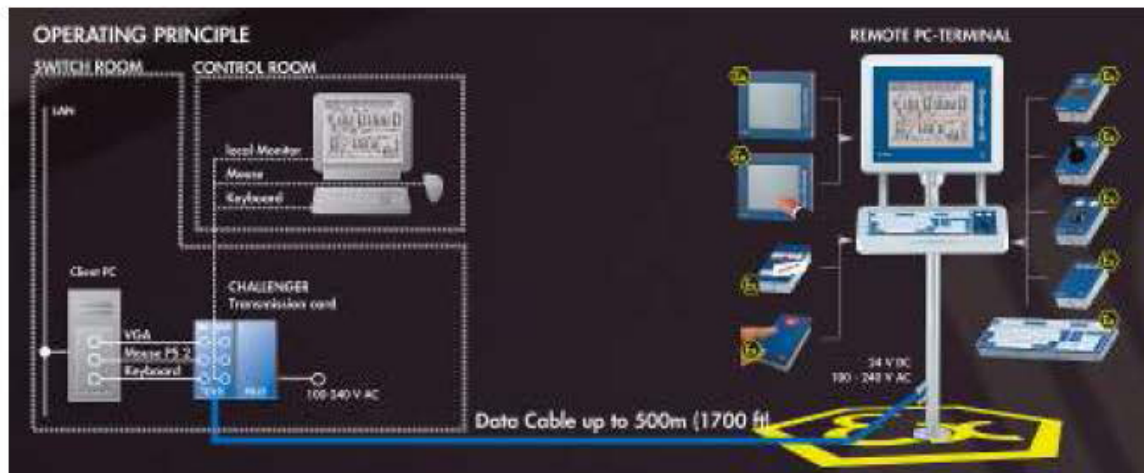# TECHNICAL DATASHEET
CHALLENGER 15i
Remote PC Terminal for hazardous areas - zone 1/2 (Gas), -22 (Dust)

Standard Configuration

The CHALLENGER Remote PC Terminals represents the modern form of local operation in the production plant. All components for operation and visualisation are made intrinsically safe and certified world-wide. In this way configuration according to the specific conditions of the production plant is made possible. The configuration listed here is the standard - further configurations can be found under **http://www.gecma.com/configurator**

Article Code	Product Description	Technical Description
15i-2-FMO	- TFT display as intrinsically safe module - 15.1 inch screen diagonal - Glass front with an anti-reflective chemical coating - XGA resolution (1024 x 768 pixel) - 16 million colours - Operating temperature range -10°C to +60°C - Extendable to -30°C to +60°C - Panel mount design	- Ingress protection IP 66/NEMA 4X from front - ATEX: DMT 00 ATEX E 089 X, II 2G EEx ib IIC T4 - UL/dUL-listed: Class I, Zone 1, AEx ib IIC T4, Ex ib IIC T4, File E 232869 - UL/dUL-listed: Class I, Div. 2, Groups A,B,C,D T4 File E 232869 - GOST-R/GGTN, IECEx, TIIS, NEPSI... certified
KBi	- Keyboard as intrinsically safe module - Foil-protected short stroke keyboard - Resistant to many solvents - IBM compatible with 105 keys - Layouts: English (QY) - Special layouts on request - Operating temperature range -10°C to +60°C - Extendable to -30°C to +60°C - Panel mount design	- Ingress protection IP 66/NEMA 4X from front - ATEX: DMT 00 ATEX E 089 X, II 2G EEx ib IIC T4 - UL/dUL-listed: Class I, Zone 1, AEx ib IIC T4, Ex ib IIC T4, File E 232869 - UL/dUL-listed: Class I, Div. 2, Groups A,B,C,D T4 File E 232869 - GOST-R/GGTN, IECEx, TIIS, NEPSI... certified
Mi	- Industrial mouse with 2 keys as intrinsically safe module - Left and right click buttons - 4-step pressure-sensitive mouse guidance - Operating temperature range -10°C to +60°C - Extendable to -30°C to +60°C - Panel mount design	- Ingress protection IP 66/NEMA 4X from front - ATEX: DMT 00 ATEX E 089 X, II 2G EEx ib IIC T4 - UL/dUL-listed: Class I, Zone 1, AEx ib IIC T4, Ex ib IIC T4, File E 232869, - UL/dUL-listed: Class I, Div. 2, Groups A,B,C,D T4 File E 232869 - GOST-R/GGTN, IECEx, TIIS, NEPSI... certified
PSU14i/6/543	- Power supply for 15.1" FMO display, keyboard, pointing device - 24V DC / 3 A, (100-240V AC on request) - Operating temperature range -10°C to +60°C	- Ingress protection IP54 - ATEX: DMT 00 ATEX E 09 0, II 2G EEx qe [ib] IIC T4 - UL/dUL-listed: Class I, Zone 1, AEx qe [ib] IIC T4, Ex qe [ib] IIC T4, File E 232869

	- Extendable to -30°C to +60°C	- UL/cUL-listed: Class I, Div. 2, Groups A,B,C,D T4 File E 232869 - GOST-R/GGTN, IECEx, TIIS, NEPSI…certified
VGA/PS2-2 m	- VGA/PS2 cable lead PC to TCV2 Euro card	- Length: 2 m
TCV2i	- Transmission card TCV2i as 19" Euro card (3 U) - Incl. ports for VGA/PS2 for local operation mouse/keyboard - Power supply via the preassembled PSU2 Euro card in the Rack R84-2	- ATEX: DMT 00 ATEX E 089 X, II (2)G [EEx ib] IIC - UL-listed: Class I, Zone 1, AEx [ib] IIC, Ex [ib] IIC, File E 232869 - UL/cUL-listed: Class I, Div. 2, Groups A,B,C,D T4 File E 232869 - GOST-R/GGTN, IECEx, TIIS, NEPSI…certified
PSU2	- Power supply Eurocard for data transmission TCV2i / TCS1i - Integrated in RACK42-2 or RACK84-2 - Redundant PSU2 version as an option in a redundant rack	- 3U - 100-240 AC 50/60 Hz (no switching over required)
TP6-BL	- 100 m data cable blue 600 MHz / CAT 7	- 4 x 2 solid conductor STP cable - Each pair individually foil screened with overall braided wire screen
15-FHP	- Hygienic, ergonomic field desk housing - To house display, keyboard, pointing device or card reader - Depth 200 mm	- Ingress protection IP 66/NEMA 4X from front (with components integrated) - Keyboard inclined by 30° - Stainless steel 304/1.4 301 - Polished to 240 granulation
STF-MB	- Hygienic stainless steel pipe with flange - Stainless steel 304/1.4 301 - For floor, wall or ceiling mounting - Includes coupling MB and 2 screwed cable glands	- Ingress protection IP 66/NEMA 4X - Coupling MB allows rotation of 300 degrees - Standard length 1260 mm - Special length on request - Outside diameter 60.3 mm
R84-2	- Pre-assembled 19" slide-in module carrier, 3U - Including PSU2 card (Power Supply)	- 100-240V AC 50/60 Hz supply - via IEC socket 8 x 10 pole connectors for data cable

Technical data sheets are subject to modifications and amendments / No liability for misprints and errors.