



HMI & Remote PC Terminals for industrial and hazardous areas – Ex Zone 1 / 2 / 21 / 22

GECMA Components GmbH, Postfach 4146, D-50155 Kerpen



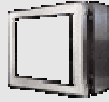



## TECHNICAL DATASHEET

## CHALLENGER

Remote PC Terminals for hazardous areas - zone 1/2 (Gas), -22\* (Dust)

### Enclosures / Special enclosures






All the CHALLENGER enclosures are especially designed for hazardous/harsh areas as well as clean room applications. The standard FHP enclosure performs for more than 10 years in various industries.

Article Code	Product Description	Technical Description
<b>ST-FHP</b> 	<b>FHP – STANDARD ENCLOSURE</b> <ul style="list-style-type: none"> <li>- Hygienic, ergonomic field desk enclosure</li> <li>- As 15" or 19" version</li> <li>- To house display, keyboard, pointing device or card reader/Fingerprint</li> <li>- Bottom, wall or ceiling mounting</li> </ul>	<ul style="list-style-type: none"> <li>- Visualisation enclosure: Depth 200 mm</li> <li>- Keyboard inclined by 30°</li> <li>- Stainless steel 304/1.4301</li> <li>- (316L / 1.4404 as an option)</li> <li>- Polished to 240 granulation</li> <li>- Ingress protection IP 66/NEMA 4X from front (with integrated components)</li> </ul>
<b>DTH</b> 	<b>DESKTOP enclosure</b> <ul style="list-style-type: none"> <li>- Hygienic desk-top enclosure</li> <li>- As 15" or 19" version</li> <li>- Visualisation / keyboard enclosure separately</li> <li>- Each with rear opening doors</li> </ul>	<ul style="list-style-type: none"> <li>- Stainless steel 304 / 1.4301</li> <li>- (316L / 1.4404 as an option)</li> <li>- Polished to 240 granulation</li> <li>- Ingress protection IP 65 from front (with integrated components)</li> </ul>
<b>VH</b> 	<b>VISUALIZATION enclosure</b> <ul style="list-style-type: none"> <li>- Hygienic enclosure for wall mounting</li> <li>- As 15" or 19" version</li> <li>- With front opening door</li> <li>- No possibility to integrate a pointing devices</li> </ul>	<ul style="list-style-type: none"> <li>- Stainless steel 304 / 1.4301</li> <li>- (316L / 1.4404 as an option)</li> <li>- Polished to 240 granulation</li> <li>- Ingress protection IP 65 from front (with integrated components)</li> </ul>
<b>VHH</b> 	<b>VISUALIZATION enclosure with handle</b> <ul style="list-style-type: none"> <li>- Hygienic enclosure for wall or ceil mounting</li> <li>- As 15" or 19" version</li> <li>- With front opening door and handle</li> <li>- No possibility to integrate a pointing devices</li> </ul>	<ul style="list-style-type: none"> <li>- Stainless steel 304 / 1.4301</li> <li>- (316L / 1.4404 as an option)</li> <li>- Polished to 240 granulation</li> <li>- Ingress protection IP 65 from front (with integrated components)</li> </ul>
<b>DH</b> 	<b>FHP Standard enclosure for 2 displays</b> <ul style="list-style-type: none"> <li>- Hygienic enclosure for bottom mounting</li> <li>- As 15" or 19" version</li> <li>- 2 displays controlled by 1 keyboard / 1 pointer</li> <li>- With rear opening doors</li> </ul>	<ul style="list-style-type: none"> <li>- Stainless steel 304 / 1.4301</li> <li>- (316L / 1.4404 as an option)</li> <li>- Polished to 240 granulation</li> <li>- Ingress protection IP 66/NEMA 4X from front (with integrated components)</li> </ul>
<b>SH 1</b> 	<b>FHP Standard enclosure with tray</b> <ul style="list-style-type: none"> <li>- Hygienic enclosure for wall or bottom mounting</li> <li>- As 15" or 19" version</li> <li>- To house display, keyboard, pointing device or card reader/Fingerprint</li> <li>- Extendible tray for notices under keyboard enclosure</li> </ul>	<ul style="list-style-type: none"> <li>- Keyboard inclined by 30°</li> <li>- Stainless steel 304 / 1.4301 (316L/1.4404 optionally)</li> <li>- Polished to 240 granulation</li> <li>- Ingress protection IP 66 / NEMA 4X from front (with integrated components)</li> </ul>



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Article Code	Product Description	Technical Description
<b>SH 2</b> 	<b>Desktop Enclosure</b> <ul style="list-style-type: none"> <li>- Hygienic, ergonomic field desk Enclosure</li> <li>- As 15" or 19" version</li> <li>- To house display, keyboard, pointing device or card reader/fingerprint</li> </ul>	<ul style="list-style-type: none"> <li>- Depth 200 mm</li> <li>- Keyboard inclined by 30°</li> <li>- Stainless steel 304/1.4301</li> <li>- (316L / 1.4404 as an option)</li> <li>- Polished to 240 granulation</li> <li>- Ingress protection IP 65 from front (with integrated components)</li> </ul>
<b>SH 3</b> 	<b>FHP Enclosure as coated version</b> <ul style="list-style-type: none"> <li>- Hygienic, ergonomic field desk Enclosure</li> <li>- All metal components are coated (grey as standard)</li> <li>- As 15" or 19" version</li> <li>- To house display, keyboard, pointing device or card reader/fingerprint</li> <li>- Bottom, wall or ceiling mounting</li> </ul>	<ul style="list-style-type: none"> <li>- Depth 200 mm</li> <li>- Keyboard inclined by 30°</li> <li>- Stainless steel 304/1.4301</li> <li>- Ingress protection IP 66 / NEMA 4X from front (with integrated components)</li> </ul>
<b>SH 4</b> 	<b>FHP Enclosure with roof</b> <ul style="list-style-type: none"> <li>- Hygienic, ergonomic field desk Enclosure with roof</li> <li>- For outside applications and bad light conditions</li> <li>- To house display, keyboard, pointing device or card reader/fingerprint</li> <li>- Rear opening doors</li> <li>- Top or bottom mounted</li> </ul>	<ul style="list-style-type: none"> <li>- Depth 200 mm (exclude roof)</li> <li>- Keyboard inclined by 30°</li> <li>- Stainless steel 304 / 1.4301</li> <li>- 316L / 1.4404 as an option)</li> <li>- Polished to 240 granulation</li> <li>- Ingress protection IP 66/NEMA 4X from front (with integrated components)</li> </ul>
<b>SH 5</b> 	<b>Wall Enclosure for pharmaceutical industry</b> <ul style="list-style-type: none"> <li>- Enclosure for integration in existing walls/cabinets</li> <li>- Hygienic enclosure / clean room suitable</li> <li>- As 15" or 19" version</li> <li>- To house display, keyboard, pointing device or card reader/fingerprint</li> </ul>	<ul style="list-style-type: none"> <li>- Keyboard inclined by 30°</li> <li>- Stainless steel 304 / 1.4301</li> <li>- (316L / 1.4404 as an option)</li> <li>- Polished to 240 granulation</li> <li>- Ingress protection IP 65 from front (with integrated components)</li> </ul>
<b>SH 6</b> 	<b>Wall Enclosure for pharmaceutical industry</b> <ul style="list-style-type: none"> <li>- Enclosure for integration in existing walls/cabinets</li> <li>- With degraded keyboard</li> <li>- Hygienic enclosure / clean room suitable</li> <li>- As 15" or 19" version</li> <li>- To house display, keyboard, pointing device or card reader/fingerprint</li> </ul>	<ul style="list-style-type: none"> <li>- Keyboard inclined by 30°</li> <li>- Stainless steel 304 / 1.4301</li> <li>- (316L / 1.4404 as an option)</li> <li>- Polished to 240 granulation</li> <li>- Ingress protection IP 65 from front (with integrated components)</li> </ul>
<b>SH 7</b> 	<b>Wall Enclosure – made in synthetic material</b> <ul style="list-style-type: none"> <li>- Hygienic enclosure for wall mounting</li> <li>- With front opening door</li> <li>- As 15" or 19" version</li> <li>- To house display, keyboard, pointing device or card reader/fingerprint</li> </ul>	<ul style="list-style-type: none"> <li>- Synthetic material / colour grey</li> <li>- Ingress protection IP 65 from front (with integrated components)</li> </ul>
<b>SH 8</b> 	<b>Visualisation enclosure for wall mounting</b> <ul style="list-style-type: none"> <li>- Hygienic, ergonomic field wall enclosure</li> <li>- As 15" or 19" version</li> <li>- For Visualisation only</li> </ul>	<ul style="list-style-type: none"> <li>- Stainless steel 304/1.4301</li> <li>- (316L / 1.4404 as an option)</li> <li>- Polished to 240 granulation</li> <li>- Ingress protection IP 65 from front (with integrated components)</li> </ul>



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### SH 9

#### Field Enclosure including additional switch board



- Hygienic, ergonomic field enclosure
- Synthetic material
- For 15" display size
- To house display, keyboard, pointing device or card reader/fingerprint
- Keyboard inclined by 30°
- Synthetic material, colour grey
- Ingress protection IP 65 from front (with integrated components)

### SH 10

#### Field enclosure to build in a wall



- Hygienic field enclosure to build in a wall
- For pharmaceutical applications / clean rooms
- For 15" / 18" display size
- To house display, keyboard, pointing device or card reader/fingerprint
- Stainless steel 304 / 1.4301
- (316L / 1.4404 as an option)
- Polished to 240 granulation
- Ingress protection IP 65 from front (with integrated components)

### SH 11

#### Field Pult Enclosure with additional switch board



- Hygienic desk-top enclosure 15"
- Including additional switch board
- With rear opening door
- Bottom mounted
- Polished Aluminium enclosure
- Ingress protection IP 65 from front (with integrated components)

### SH 12

#### Field enclosure to build in a wall



- Hygienic field enclosure to build in a wall
- For pharmaceutical applications / clean rooms
- For 15" display size
- To house display, keyboard and additional switches
- Stainless steel 304 / 1.4301
- (316L / 1.4404 as an option)
- Polished to 240 granulation
- Ingress protection IP 65 from front (with integrated components)

OTHER CUSTOMIZED ENCLOSURES ON REQUEST :

[INFO@GECMA.com](mailto:INFO@GECMA.com)

\* If used together with for dust areas certified FHP enclosures

Technical data sheets are subject to modifications and amendments / No liability for printing errors and false statements



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