



司騰達股份有限公司  
BHP Industry Solution

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# 司騰達股份有限公司

HMS 台灣總代理 – Remote Access 跨國遠端連線與自動化工業的最佳選擇

司騰達公司致力於推廣數位化工廠和 IIoT 工業物聯網的解決方案，並與歐洲最先進的公司 – HMS 集團合作，同時透過引進更多歐美的技術能量，提供客戶關於工業 4.0 的顧問諮詢服務，並將教育與產業連結，協助台灣產業逐步完成從現場設備、生產資訊、通訊 IoT 的垂直整合，並整合 M2M 工業總線與軟體開發，從而實現數位化工廠與自動化機械領域的創新。



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## eSMART04 Tech-Note

The eSMART Series HMI products combine state-of-the-art features and top performance with an outstanding design. They have been designed to offer an outstanding price/performance ratio for challenging applications. They are the ideal choice for HMI applications including factory and building automation.

eSMART04 features a bright 4.3" TFT widescreen (16:9) display with a fully dimmable LED backlight.



- 4.3" TFT color display, LED backlight
- 480x272 pixel (WVGA) resolution, 64K colors
- Resistive touchscreen
- Ethernet port
- USB port

## Highlights

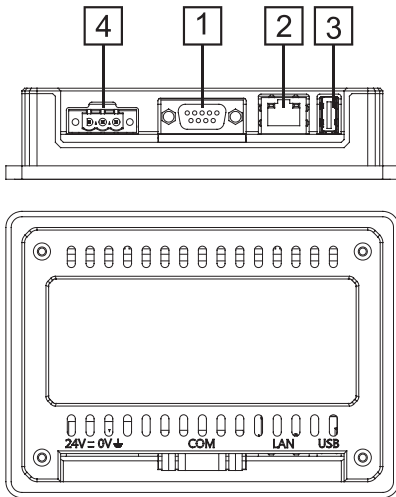
The eSMART HMI products have been designed to run the JMobile software.

- Compatible with JMobile Studio.
- Full vector graphic support. Native support of SVG graphic objects, transparency and alpha blending.
- Screen object dynamics: control visibility and transparency, move, resize, rotate any object on screen. Change properties of basic and complex objects.
- Multilanguage applications with TrueType fonts. Easily create, install and maintain applications in multiple languages to meet global requirements.
- Data display in numerical, text, bargraph, analog gauges and graphic image formats.
- Rich set of state-of-the-art HMI features: data acquisition and logging, trend presentation, alarm handling, scheduler and timed actions (daily and weekly schedulers, exception dates), recipes, security and user management, e-mail and RSS feeds.
- Wide selection of communication drivers available with multiple-driver communication capability.
- Remote monitoring and control with Client-Server functionality.
- Off-line and on-line simulation with JMobile Studio.
- Powerful scripting language for automating HMI applications. Efficient script debugger improves productivity in application development.
- Rich gallery of objects and symbols

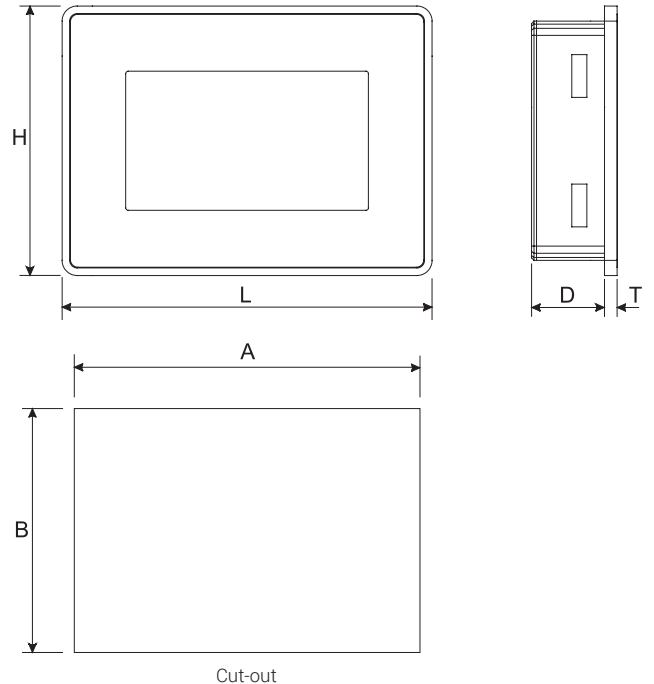
# eSMART04 - Technical Data



| System Resources                     |   |
|--------------------------------------|---|
| Display - Colors                     | 4.3" TFT 16:9 - 64K   |
| Resolution                           | 480x272   |
| Brightness                           | 200 Cd/m <sup>2</sup> typ.  |
| Dimming                              | Yes   |
| Touchscreen                          | Resistive   |
| CPU                                  | ARM Cortex-A8 - 300 MHz   |
| Operating System                     | Linux 3.12  |
| Flash                                | 2 GB  |
| RAM                                  | 256 MB  |
| Real Time Clock, RTC Back-up, Buzzer | Yes   |
| Interface                            |   |
| Ethernet port                        | 1 (port 0 - 10/100)   |
| USB port                             | 1 (Host v. 2.0, max. 500 mA)  |
| Serial port                          | 1 (RS-232, RS-485, RS-422, software configurable)   |
| SD card                              | No  |
| Expansion                            | No  |
| Ratings                              |   |
| Power supply                         | 24 Vdc (10 to 32 Vdc)   |
| Current Consumption                  | 0.25 A max. at 24 Vdc   |
| Input Protection                     | Automatic   |
| Battery                              | Yes (Supercapacitor)  |
| Environment Conditions               |   |
| Operating Temp                       | 0 to 50 °C (vertical installation)  |
| Storage Temp                         | -20°C to +70°C  |
| Operating / Storage Humidity         | 5-85% RH, non condensing  |
| Protection Class                     | IP66, Type 2 and 4X (front); IP20 (rear)  |
| Dimensions and Weights               |   |
| Faceplate LxH                        | 147x107 mm (5.78x4.21")   |
| Cutout AxB                           | 136x96 mm (5.35x3.78")  |
| Depth D+T                            | 29+5 mm (1.14+0.19")  |
| Weight                               | Approx 0.4 Kg   |
| Approvals                            |   |
| CE                                   | Emission EN 61000-6-4, Immunity EN 61000-6-2 for installation in industrial environments<br>Emission EN 61000-6-3, Immunity EN 61000-6-1 for installation in residential environments |
| UL                                   | cULus: UL508  |
| UL                                   | cULus: Class 1 Div 2  |
| ATEX                                 | Zone 2: II 3 G Ex ic ec IIC T6 Gc   |
| DNV-GL                               | Yes   |
| EU RO MR                             | Yes   |
| RCM                                  | Yes   |



- 1 Serial Port
- 2 Ethernet Port
- 3 USB port (vers. 2.0 - 1.1)
- 4 Power Supply



## Ordering Information

| Model    | Part Number | Description   |
|----------|-------------|---|
| eSMART04 | +ESMA04U301 | 4" widescreen TFT color touchscreen with Ethernet and USB interfaces. JMobile runtime |

## eSMART07M Tech-Note

The eSMART Series HMI products combine state-of-the-art features and top performance with an outstanding design. They have been designed to offer an outstanding price/performance ratio for challenging applications. They are the ideal choice for HMI applications including factory and building automation.

eSMART07 features a bright 7" TFT widescreen (16:9) display with a fully dimmable LED backlight.



- 7" TFT color display, LED backlight
- 800x480 pixel (WVGA) resolution, 64K colors
- Resistive touchscreen
- Ethernet port
- USB port

## Highlights

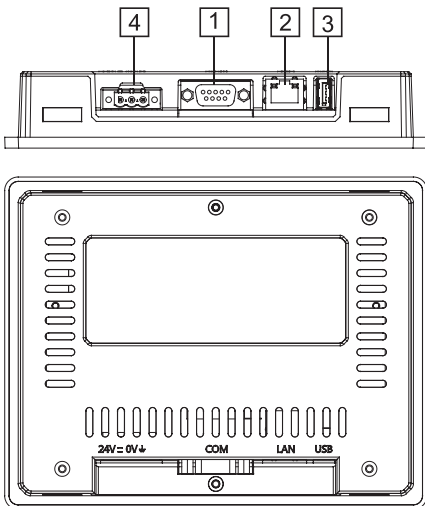
The eSMART HMI products have been designed to run the JMobile software.

- Compatible with JMobile Studio.
- Full vector graphic support. Native support of SVG graphic objects, transparency and alpha blending.
- Screen object dynamics: control visibility and transparency, move, resize, rotate any object on screen. Change properties of basic and complex objects.
- Multilanguage applications with TrueType fonts. Easily create, install and maintain applications in multiple languages to meet global requirements.
- Data display in numerical, text, bargraph, analog gauges and graphic image formats.
- Rich set of state-of-the-art HMI features: data acquisition and logging, trend presentation, alarm handling, scheduler and timed actions (daily and weekly schedulers, exception dates), recipes, security and user management, e-mail and RSS feeds.
- Wide selection of communication drivers available with multiple-driver communication capability.
- Remote monitoring and control with Client-Server functionality.
- Off-line and on-line simulation with JMobile Studio.
- Powerful scripting language for automating HMI applications. Efficient script debugger improves productivity in application development.
- Rich gallery of objects and symbols

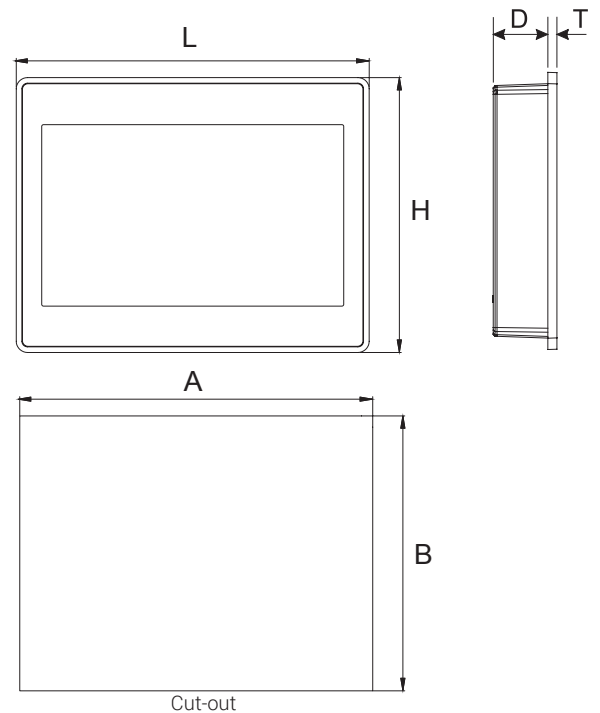
# Technical Data



| System Resources                     |   |
|--------------------------------------|---|
| Display - Colors                     | 7" TFT 16:9 - 64K   |
| Resolution                           | 800x480, WVGA   |
| Brightness                           | 200 Cd/m <sup>2</sup> typ.  |
| Dimming                              | Yes   |
| Touchscreen                          | Resistive   |
| CPU                                  | ARM Cortex-A8 - 1 GHz   |
| Operating System                     | Linux 3.12  |
| Flash                                | 4 GB  |
| RAM                                  | 512 MB  |
| Real Time Clock, RTC Back-up, Buzzer | Yes   |
| Interface                            |   |
| Ethernet port                        | 1 (port 0 - 10/100)   |
| USB port                             | 1 (Host v. 2.0, max. 500 mA)  |
| Serial port                          | 1 (RS-232, RS-485, RS-422, software configurable)   |
| SD card                              | No  |
| Expansion                            | No  |
| Ratings                              |   |
| Power supply                         | 24 Vdc (10 to 32 Vdc)   |
| Current Consumption                  | 0.3 A at 24 Vdc (max.)  |
| Input Protection                     | Automatic   |
| Battery                              | Yes (Supercapacitor)  |
| Environment Conditions               |   |
| Operating Temp                       | 0 to 50 °C (vertical installation)  |
| Storage Temp                         | -20°C to +70°C  |
| Operating / Storage Humidity         | 5-85% RH, non condensing  |
| Protection Class                     | IP66, Type 2 and 4X (front); IP20 (rear)  |
| Dimensions and Weights               |   |
| Faceplate LxH                        | 187x147 mm (7.36x5.79")   |
| Cutout AxB                           | 176x136 mm (6.93x5.35")   |
| Depth D+T                            | 29+5 mm (1.14+0.19")  |
| Weight                               | Approx 0.6 Kg   |
| Approvals                            |   |
| CE                                   | Emission EN 61000-6-4, Immunity EN 61000-6-2 for installation in industrial environments<br>Emission EN 61000-6-3, Immunity EN 61000-6-1 for installation in residential environments |
| UL                                   | cULus: UL508  |
| UL                                   | cULus: Class 1 Div 2  |
| ATEX                                 | Zone 2: II 3 G Ex ic ec IIC T6 Gc   |
| DNV-GL                               | Yes   |
| EU RO MR                             | Yes   |
| RCM                                  | Yes   |



- 1 Serial Port
- 2 Ethernet Port
- 3 USB port (vers. 2.0 - 1.1)
- 4 Power Supply



## Ordering Information

| Model     | Part Number  | Description   |
|-----------|--------------|---|
| eSMART07M | +ESMA07MU301 | 7" widescreen TFT color touchscreen with Ethernet and USB interfaces. JMobile runtime |

## eSMART10 Tech-Note

The eSMART Series HMI products combine state-of-the-art features and top performance with an outstanding design. They have been designed to offer an outstanding price/performance ratio for challenging applications. They are the ideal choice for HMI applications including factory and building automation.

eSMART10 features a bright 10.1" TFT widescreen (16:9) display with a fully dimmable LED backlight



- 10.1" TFT color display, LED backlight
- 1024x600 pixel (WVGA) resolution, 64K colors
- Resistive touchscreen
- Ethernet port
- USB port

## Highlights

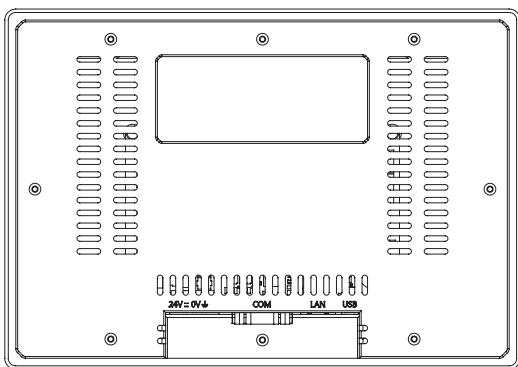
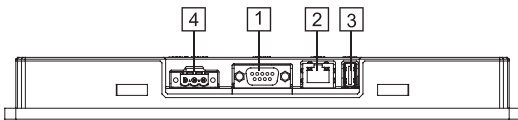
The eSMART HMI products have been designed to run the JMobile software.

- Compatible with JMobile Studio.
- Full vector graphic support. Native support of SVG graphic objects, transparency and alpha blending.
- Screen object dynamics: control visibility and transparency, move, resize, rotate any object on screen. Change properties of basic and complex objects.
- Multilanguage applications with TrueType fonts. Easily create, install and maintain applications in multiple languages to meet global requirements.
- Data display in numerical, text, bargraph, analog gauges and graphic image formats.
- Rich set of state-of-the-art HMI features: data acquisition and logging, trend presentation, alarm handling, scheduler and timed actions (daily and weekly schedulers, exception dates), recipes, security and user management, e-mail and RSS feeds.
- Wide selection of communication drivers available with multiple-driver communication capability.
- Remote monitoring and control with Client-Server functionality.
- Off-line and on-line simulation with JMobile Studio.
- Powerful scripting language for automating HMI applications. Efficient script debugger improves productivity in application development.
- Rich gallery of objects and symbols

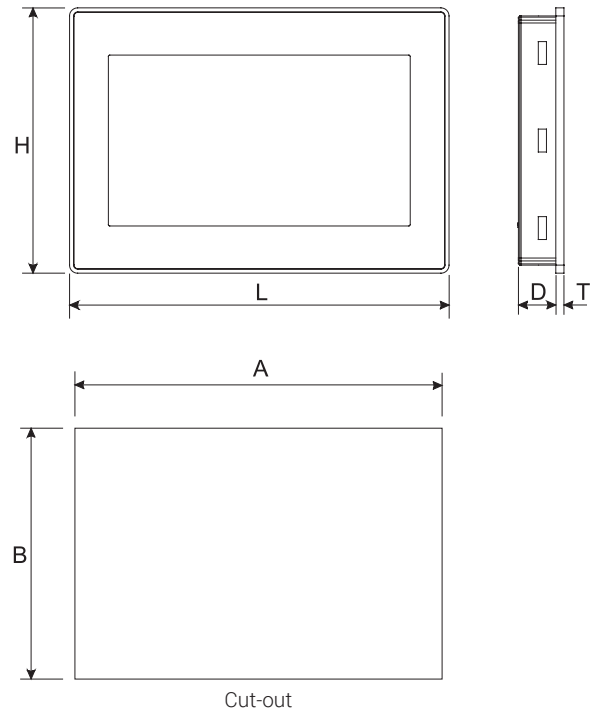
# Technical Data



| System Resources                     |   |
|--------------------------------------|---|
| Display - Colors                     | 10.1" TFT 16:9 - 64K  |
| Resolution                           | 1024x600, WVGA  |
| Brightness                           | 200 Cd/m <sup>2</sup> typ.  |
| Dimming                              | Yes   |
| Touchscreen                          | Resistive   |
| CPU                                  | ARM Cortex-A8 - 1 GHz   |
| Operating System                     | Linux 3.12  |
| Flash                                | 4 GB  |
| RAM                                  | 512 MB  |
| Real Time Clock, RTC Back-up, Buzzer | Yes   |
| Interface                            |   |
| Ethernet port                        | 1 (port 0 - 10/100)   |
| USB port                             | 1 (Host v. 2.0, max. 500 mA)  |
| Serial port                          | 1 (RS-232, RS-485, RS-422, software configurable)   |
| SD card                              | No  |
| Expansion                            | No  |
| Ratings                              |   |
| Power supply                         | 24 Vdc (10 to 32 Vdc)   |
| Current Consumption                  | 0.38 A at 24 Vdc (max.)   |
| Input Protection                     | Automatic   |
| Battery                              | Yes (Supercapacitor)  |
| Environment Conditions               |   |
| Operating Temp                       | 0 to 50 °C (vertical installation)  |
| Storage Temp                         | -20°C to +70°C  |
| Operating / Storage Humidity         | 5-85% RH, non condensing  |
| Protection Class                     | IP66, Type 2 and 4X (front); IP20 (rear)  |
| Dimensions and Weights               |   |
| Faceplate LxH                        | 282x197 mm (11.10x7.80")  |
| Cutout AxB                           | 271x186 mm (10.66x7.32")  |
| Depth D+T                            | 29+6 mm (1.14+0.23")  |
| Weight                               | Approx 1.0 Kg   |
| Approvals                            |   |
| CE                                   | Emission EN 61000-6-4, Immunity EN 61000-6-2 for installation in industrial environments<br>Emission EN 61000-6-3, Immunity EN 61000-6-1 for installation in residential environments |
| UL                                   | cULus: UL508  |
| UL                                   | cULus: Class 1 Div 2  |
| ATEX                                 | Zone 2: II 3 G Ex ic ec IIC T6 Gc   |
| DNV-GL                               | Yes   |
| EU RO MR                             | Yes   |
| RCM                                  | Yes   |



- 1 Serial Port
- 2 Ethernet Port
- 3 USB port (version 2.0 - 1.1)
- 4 Power Supply



## Ordering Information

| Model    | Part Number | Description   |
|----------|-------------|---|
| eSMART10 | +ESMA10U301 | 10" widescreen TFT color touchscreen with Ethernet and USB interfaces. JMobile runtime. |

# 司騰達股份有限公司

自動化工業與跨國遠端連線的最佳選擇

Ewon Flexy205

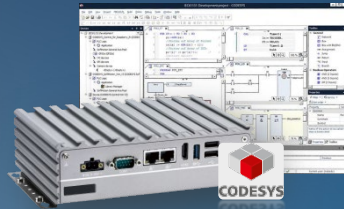
VPN+IOT 物聯網模組



Anybus X-Gateway



CODESYS SoftPLC



Jmobile Runtime IPC



I4-SCADA IPC



## 工業 4.0 數位工廠與 工業物聯網解決方案

Ewon Cosy131  
VPN 遠端連線



SIEMENS PLC  
S7-1200



SIEMENS PLC  
ET 200SP IO



SIEMENS PLC  
S7-1500



SIEMENS HMI



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