



# Maximum performance in the smallest of spaces

The 4.3" ecomatDisplay sets new standards

- High-brightness display for maximum readability even in daylight conditions
- High computing power and memory capacity offer sufficient capacity for demanding tasks
- Maximum freedom of communication thanks to the support of multiple protocols



**ifm** – close to you!

**New standard in the compact class**

Whenever clear communication, precision and performance in the smallest of spaces are required, the most compact member of the ecomatDisplay family is the perfect choice. Because the 4.3-inch HMI makes no compromises when it comes to human-machine interaction: 16 million colours, high-resolution display and good readability even at extreme angles or in extreme lighting conditions ensure clear information exchange in any situation.

**Easy to connect, economical, communicative**

Numerous connection options and a wide range of supported communication protocols allow for simple and extensive integration of the ecomatDisplay into the machine. Codesys 3.5 and the comprehensive ifm library of software modules enable convenient visualisation of the most relevant information. Besides, the Linux-based operating system can be used for customisation, such as visualisation via QT. The powerful DualCore processor and the equally efficient DDR4 RAM ensure reliable processing of all data and control commands. For all these technical feats, the compact HMI requires only five watts of power.

**Tough**

The robust housing, already known from other ecomatDisplays, provides the 4.3" device with maximum protection against external influences, making it ideally suited for use in extreme working environments.

Connections	Order no.
1x CAN, 1x Ethernet	<b>CR1140</b>
1x CAN, 1x USB	<b>CR1141</b>

Technical data	
Processor	ARM dual core, 1.4 GHz
Memory / RAM	4 GB / 1 GB DDR4
Retain variables [kB]	8
Communication protocols	CAN, CANopen, J1939, Modbus TCP, Ethernet/IP, OPC UA
Display resolution [pixel]	800 x 480
Display brightness [cd/m <sup>2</sup> ]	1,000
Real-time clock	battery-buffered, up to 15 years
Power consumption [W]	5-8
Protection rating	IP67

**BEST FRIENDS**

We reserve the right to make technical alterations without prior notice. · 09.2023  
ifm electronic gmbh · Friedrichstr. 1 · 45128 Essen



**ecomatController**  
Controller for mobile applications, also for safety applications



**ecomatPanel**  
Keypad with rotary button and six keys, backlit



**ioControl**  
Decentralised connection of sensors, freely programmable



For further technical details, please visit: [ifm.com/fs/CR1140](http://ifm.com/fs/CR1140)