



Maximum performance in the smallest of spaces

The 4.3" ecomatDisplay sets new standards

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



IP67

E₁



ifm – close to you!

New standard in the compact class

Whenever efficient 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: 16.7 million colours, high-resolution display and good readability even at extreme angles or in extreme lighting conditions ensure clear information exchange in any situation. Versions with RGB keypad or capacitive touch screen are available for easy operation 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 information. Besides, the Linux-based operating system can be used for customisation, such as visualisation via QT. The powerful DualCore processor and the 1 GB DDR4 RAM ensure reliable processing of all data and control commands. For all these technical feats, the compact HMI requires less than ten 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	Input	Order no.
1x CAN, 1x Ethernet	RGB keypad	CR1140
1x CAN, 1x USB	RGB keypad	CR1141
1x CAN, 1x Ethernet	Touch display	CR1142
1x CAN, 1x USB	Touch display	CR1143
1x CAN, 1x Ethernet	none, only display	CR1144

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 ²]	1,000
Real-time clock		battery-buffered
Power consumption	[W]	5...8
Protection rating		IP67

BEST FRIENDS



ecomatBasic
Controller with H-bridge,
32 inputs and outputs



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