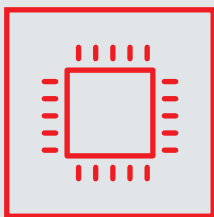




WECABIN DISPLAYS

Intelligent HMI Solutions for Mobile
Machines and Commercial Vehicles

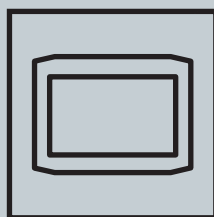
WÜRTH ELEKTRONIK MORE THAN YOU EXPECT



WEcabin Displays – FEATURES AND ADVANTAGES

State-of-the-Art-Technology:

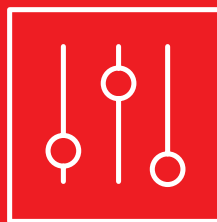
- One of the top performance devices in the market in terms of quality and processing power
- Certifications available for: EMC, temperature, humidity, chemical robustness, IP, vibration
- Integrated temperature and acceleration sensors
- Multiple user dedicated applications (PDF Reader, web browser, user administration, etc.)
- Support of J1939 protocol or proprietary CAN messages
- High connectivity with devices and cloud



Robust and Attractive Design:

- Compact size and sleek design
- Robust, UV resistant IP66 housing (front and back) with 3.2 mm hardened and scratch-resistant glass
- High quality, optically bonded display
- Top graphical performance





Variety of Customisation Options:

- Customisation of features using the single-slot expansion modules
- Different equipment variants for different requirements (Basic, Standard, Plus)
- Optional features, such as touch screen, buttons, Wi-Fi, Bluetooth
- Individual GUI design



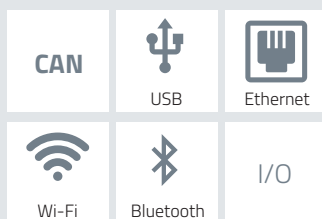
Easy Programming & Support:

- User-friendly and easy programming of individual user interface with WEcabin Designer
- Flexible logic programming, compatible with Qt™ / Codesys™
- FAE programming support
- Try & Buy Kit and software training for self-programming

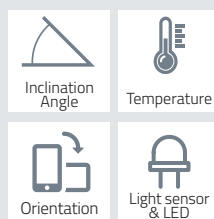
FUNCTIONALITY AND SYSTEM INTEGRATION

The WEcabin Displays can be harmoniously integrated into new and existing cabin concepts. In combination with other Würth Elektronik ICS products, such as ICCS control systems and Central Electrical Units, they provide a highly functional overall solution.

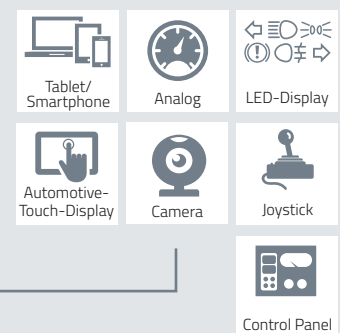
Interfaces



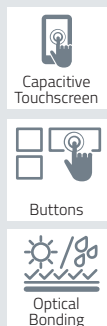
Functions



System integration: HMI components



Features



System integration: Controls



EXPANSION MODULES

Our Expansion Modules are pluggable modules for WEcabin Displays and extend them with additional functionalities. They are connected to the back of the display and enable various expansion options such as the connection of an analog camera.



WECABIN DESIGNER

With WEcabin Designer, you will be able to easily and intuitively program and design graphical user interfaces (GUI) for WEcabin Displays. It convinces through

- Simple drag-and-drop widget-based programming
- Dynamic control of the widget properties using JavaScript
- Easy updating of the user interfaces via Ethernet or USB
- Support of SAE J1939 and Raw CAN protocols
- Support of image formats such as SVG, JPEG, PNG or BMP
- Complete simulation and testing of self-generated graphical interfaces within the programming environment without previously uploading to the display

FULL SERVICE PACKAGE

- Technical advice and support from our sales engineers
- Programming support by our Field Application Engineers
- Software training for easy programming with WEcabin Designer
- Try & Buy Kit „WEcabin Display“ for independent programming



PRODUCT PORTFOLIO & TECHNICAL FEATURES



Features	i5			i7			i10	i12
	Basic	Standard	Plus	Basic	Standard	Plus		
Processor	Dual Core ARM™ 650 MHz			Dual Core ARM Cortex A7 650 MHz			iMX8™ Quad Core ARM™ 1.6 GHz	iMX8™ Quad Core ARM™ 1.6 GHz
Memory	1 GB DDR3; 8 GB Flash			1 GB DDR3; 8 GB Flash			2 GB DDR3; 8 GB Flash	2 GB DDR3; 8 GB Flash
Optical Bonding		✓			✓		✓	✓
Light Sensor / LED	✗	✗	✓	✗	✓	✓	✓	✓
CAN		2			2		2	2
Ethernet	✗	✓	✓		✓		✓	✓
USB		2			2		2	2
I/Os		4+4		✗	4+4	4+4	4+4	4+4
Touch		✓	✓	✗	✓	✓	✓	✓
Buttons		Optional		✓	Optional	Optional	Optional	✗
Wi-Fi	✗	✗	✓	✗	✗	✓	✓	✓
Bluetooth	✗	✗	✓	✗	✗	✓	✓	✓
Slots for Expansion Module		1			1		2	2

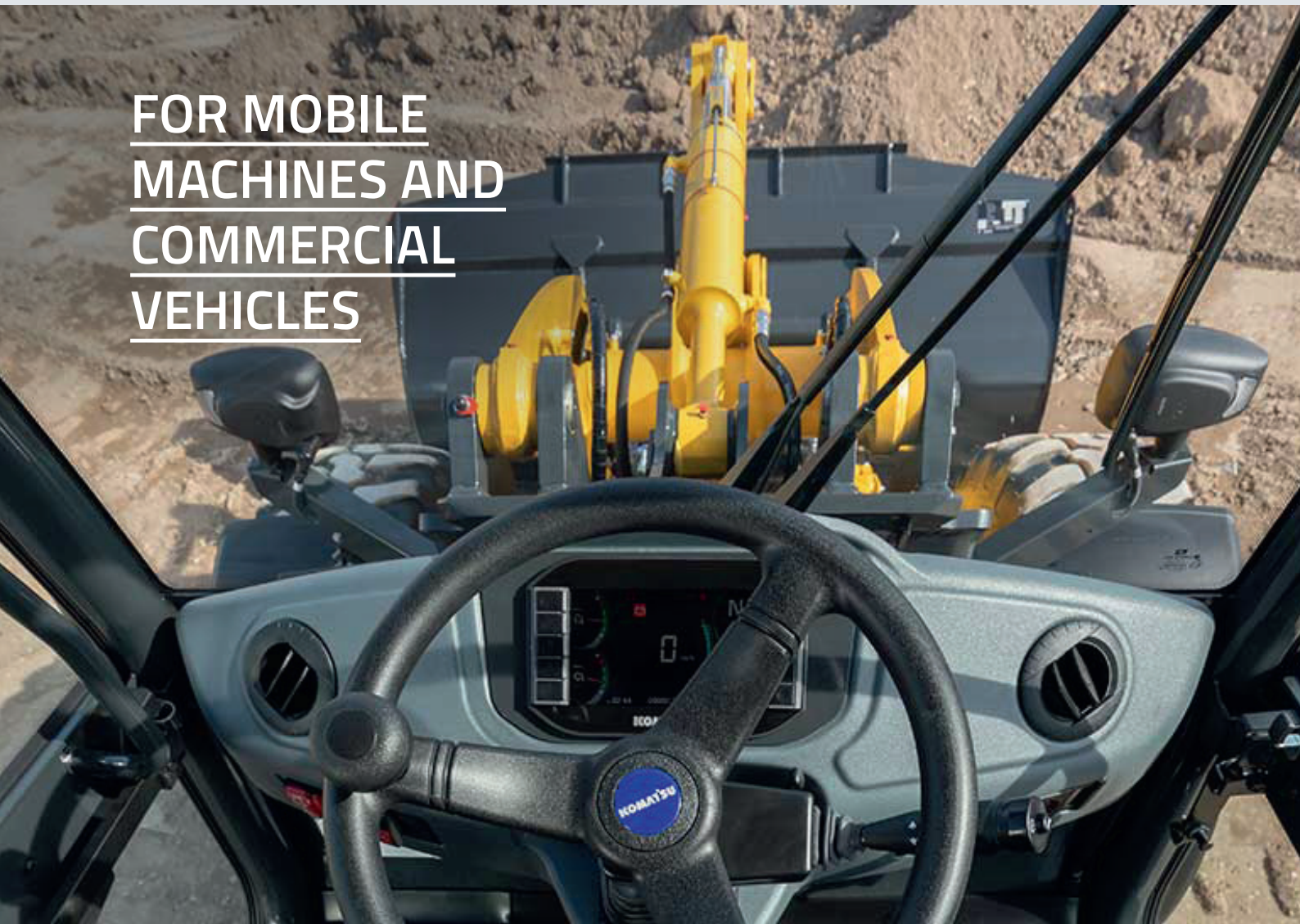


i10



i12

FOR MOBILE
MACHINES AND
COMMERCIAL
VEHICLES





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