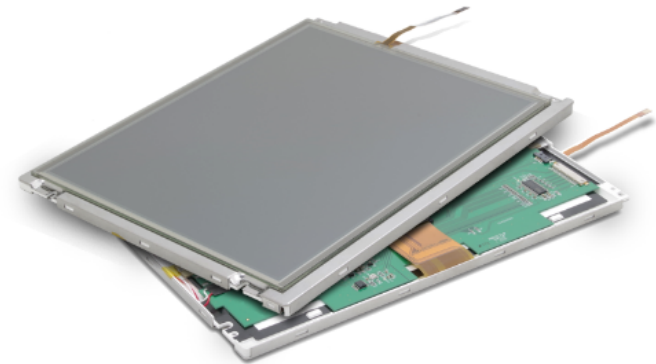
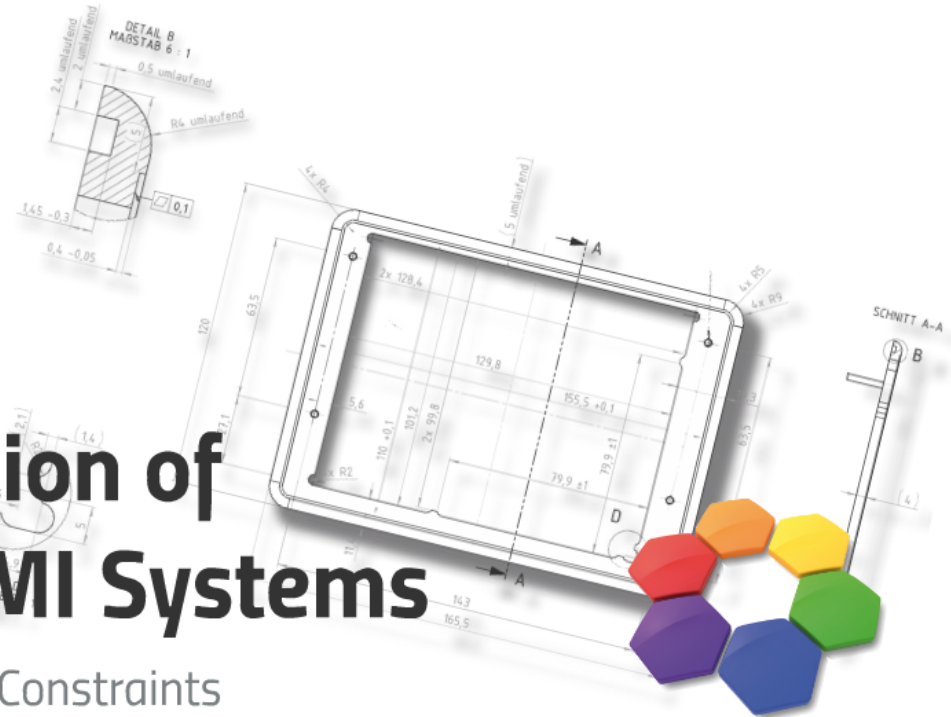




Integration of Embedded HMI Systems

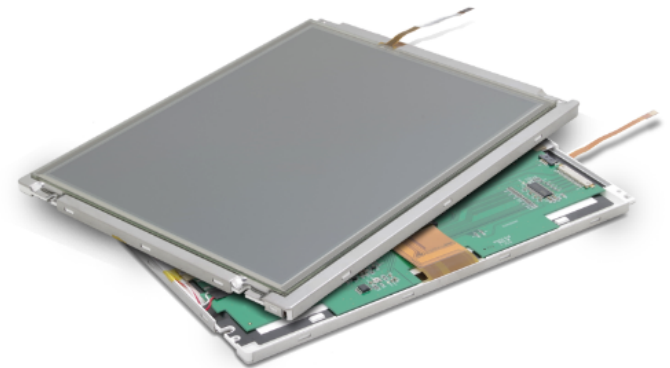
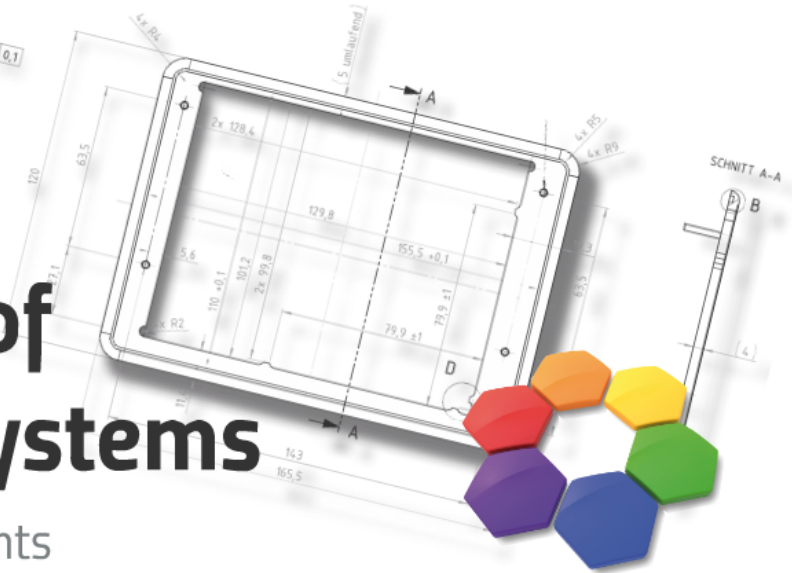
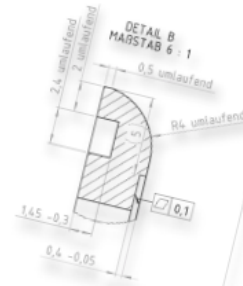
Challenges and Constraints





Integration of Embedded HMI Systems

Challenges and Constraints



Time to Decide

For an Optimal Solution

Resources

Budget

Know How

Man Power

R&D

Purchasing

QS/QM

Production

Electronics

Mechanics

Software

Reliability

Approval

Usability

Branding

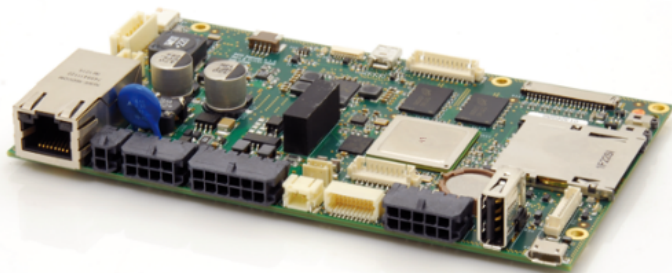


Touch Display



Housing

Typical Components of an HMI



Computing Unit

Display Properties

The Face of Your Appliance

Technology

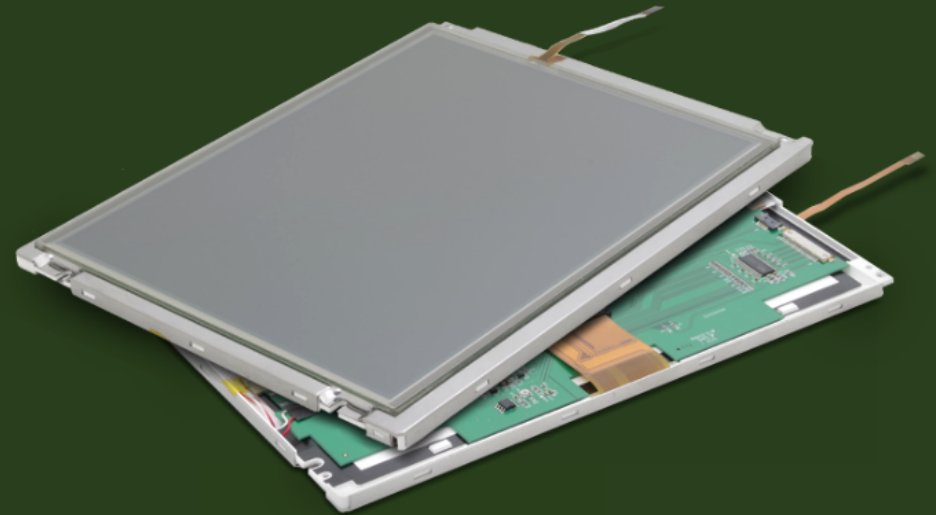
Dimensions

Resolution

Brightness

Temperature Range

Interface



Touch Properties

Resistive vs. Projected Capacitive Touch

Approved Technology
Easy Customization
Inexpensive

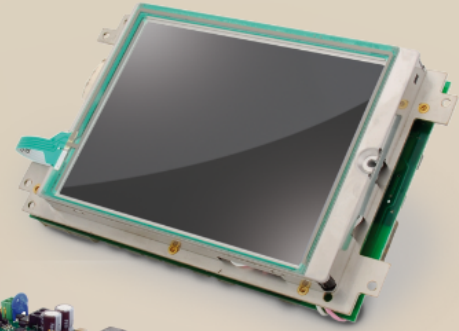


Safety
Hygiene
State-of-Art Design

Embedded Computer

The Core of Your HMI

Single-Board-Computer
Baseboard and Module
Operating System
Interfaces
Performance



2008's
pickaback



Today's SBC



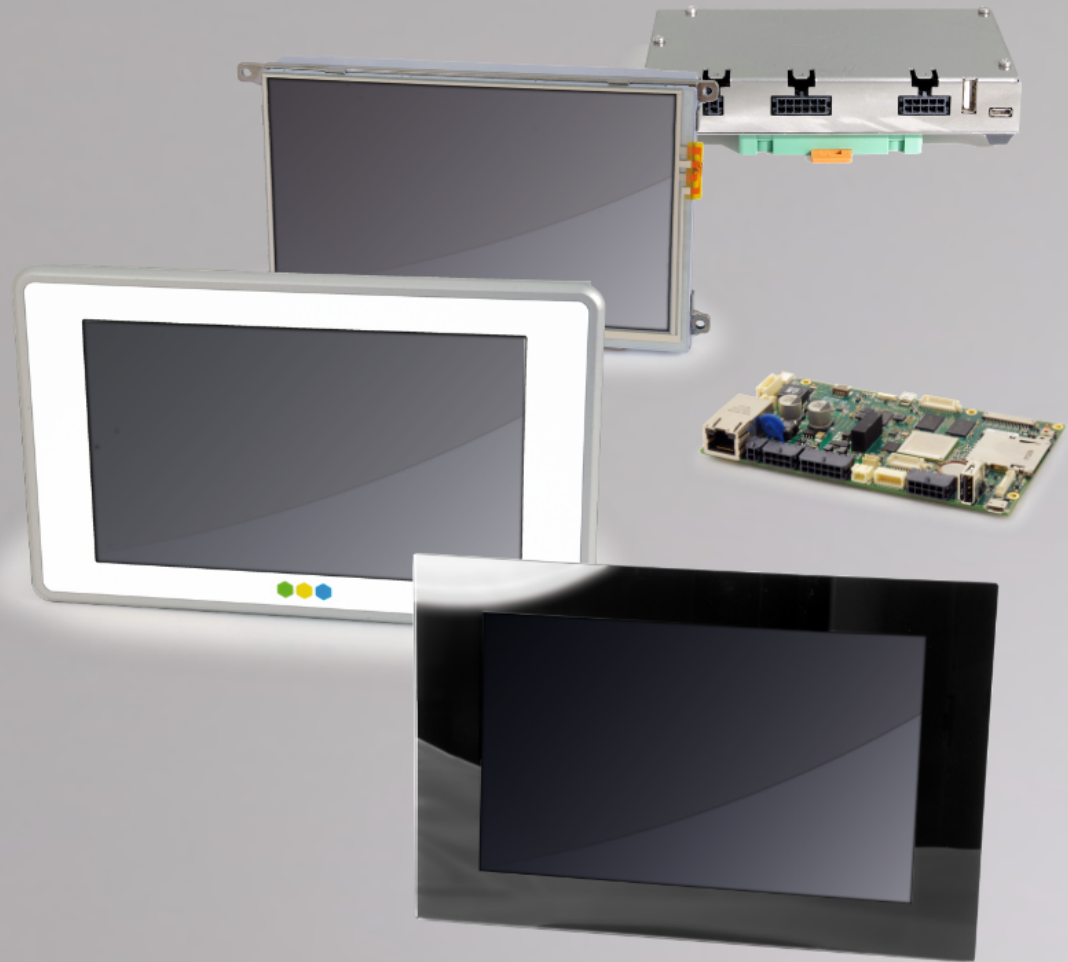
Today's
open frame



Housing

The Home of Your HMI

Make or Buy
Standard or Custom Design
Environmental Conditions



Open frame HMI

Stick to Your Trade

Simple installation into your housing
Works with both touch technologies
Almost no embedded expertise required
Semifinished delivery possible

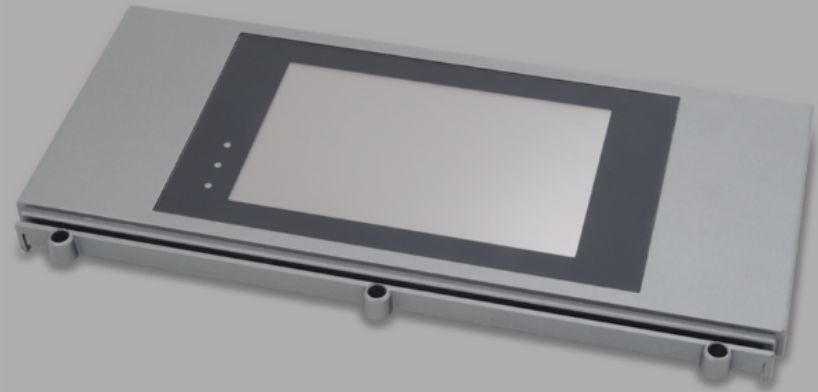


Scope of Delivery: Ready to Install

Boxed HMI

Stick to Your Trade

Closed surface
Design customization
Full assembly delivery
No clean room required



Scope of Delivery: Ready to Install

Senso Glass HMI

The Art of Integration

Requires highest expertise in EMI
Complex mechanical know-how
Offers a maximum of design options
High-end finish



Scope of Delivery: Ready to Install

Thanks for Your Attention

Further Information Available at

