

# DISPLAY INDUSTRIAL SOLUTIONS VISIONS



SCAN FOR ARTICLE:  
"TFT Displays: Designing  
HMI's for Industrial and  
Medical Applications"



FEATURED PRODUCTS FROM ARKCO SALES

Thin-Film Transistors

## TFTs



### Clarity, Speed, and Wide Viewing Angle

- Can display fast-moving images without blurring or ghosting
- Brilliant color, high contrast, and wide-viewing angle, thanks to IPS (in-plane switching) and AACS (all-angle color stability) technologies
- Readable in direct sunlight
- Large range of sizes - from 0.9 to 12.1 inches
- Thin profile - from 0.059 inch to 0.5 inch
- Touch panel options - PCAP or resistive
- Immediate shipping + long-term availability

## uniTFTs



### Easy-to-Program Touchscreen HMI

- Intuitive screen design with uniTFT Designer WYSIWYG tool
- All the benefits of TFT/IPS displays (above)
- Control objects precisely in real time
- Custom-print your logo on glass or acrylic
- Excellent replacement for physical switches and controllers, analyzers, and control panels

### FIVE DIFFERENT DEMOPACKS AVAILABLE Start on your application immediately!

Ask your rep about pricing. Options include:

- Air quality measurement
- Voltage measurement & RGB LED
- Interfaces - SPI level shifters
- Relay & current measurement
- Wifi & Bluetooth

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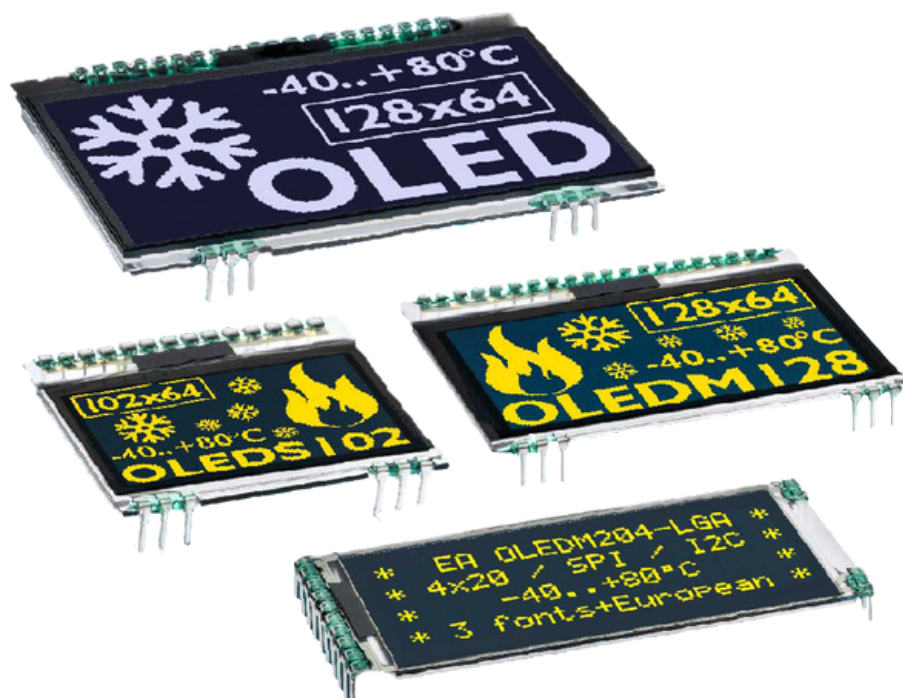


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## Organic Light-Emitting Diodes

# OLEDs



High contrast. Lightweight. Low energy.  
With mounting pins.

### Advantages of OLED

- **Deep contrast and brightness.** OLED displays have an exceptional contrast ratio, providing deep blacks and vibrant colors.
- **Consistent quality.** OLEDs maintain image quality across wide viewing angles.
- **Fast response rate.** Reduced motion blur and lag is beneficial for any equipment that requires real-time data display.
- **Low profile.** Thinner and lighter compared to traditional LCDs, OLEDs are ideal for portable devices and compact equipment.
- **Low power consumption.** The OLED's energy-efficiency means longer battery life for portable devices and reduced operational costs overall.
- **Robust and reliable.** OLEDs are generally more durable and resistant to shock and vibration, and ours can withstand temperature ranges from -40°F to 176°F

All OLED displays come with an integrated controller and support SPI, I<sup>2</sup>C, USB, and RS232.

## Common applications for OLED displays

Automated Guided Vehicles (AGVs)  
Calibrators  
Control boards  
Diagnostic imaging equipment  
Digital signage  
Electronic service manuals  
Employee information displays  
Environmental monitoring systems

Handheld testing equipment  
Industrial automation control panels  
Inspection equipment  
IoT devices  
Maintenance and service tools  
Manufacturing equipment interfaces  
Oscilloscopes and multimeters  
Patient monitoring systems

Portable diagnostic devices  
Process & production monitoring  
Quality control systems  
Robot interfaces  
Vision systems  
Wearable devices

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