

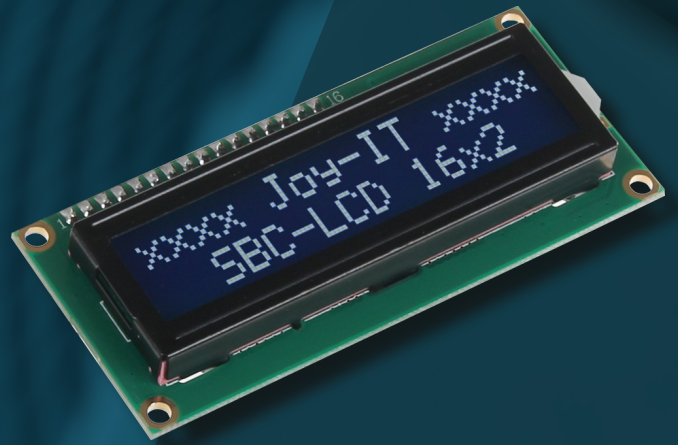
# I2C SERIAL 2.6" LCD MODULE

SPACE-SAVING 16X2 DISPLAY WITH I2C CONNECTION AND HD44780 COMPATIBILITY

JOY-IT

## SPECIAL FEATURES

- ✓ Compact 2.6" display with 16x2 characters
- ✓ I2C interface - only 4 lines required
- ✓ Integrated PCF8574AT adapter
- ✓ HD44780-compatible for broad software support
- ✓ Suitable for 3.3 V & 5 V logic systems
- ✓ Blue backlight for good readability
- ✓ Ideal for microcontroller, embedded & DIY projects



The SBC-LCD16x2 is a compact 2.6" LCD module with 2 lines of 16 characters each and is ideal for embedded applications, control systems, prototyping and DIY electronics projects. The integrated blue backlight ensures good readability even in difficult lighting conditions.

Thanks to the soldered-on I<sup>2</sup>C adapter with PCF8574AT chip, the display is particularly easy to integrate into microcontroller and single-board computer projects. In contrast to parallel control, only four lines (VCC, GND, SDA, SCL) are required - this saves I/O pins and considerably simplifies wiring.

The module is fully HD44780 compatible and can therefore be used with a variety of existing software libraries for Arduino, Raspberry Pi and many other systems. It supports 3.3 V and 5 V logic levels at a supply voltage of 5 V, making it flexible for use on different platforms.

With its compact dimensions of 8 × 2.5 × 0.6 cm, the display can be easily integrated into housings, front panels or control panels. Whether in prototype development or in series devices - the SBC-LCD16x2 offers a reliable and simple text display solution with minimal cabling effort.

## MAIN FEATURES

Display size	2,6"
Characters	16x2 characters (2 rows with 16 columns)
Backlight	Blue
Adapter chip	PCF8574AT
Industry standard	HD44780
Logic level	3.3 V & 5 V (with a voltage supply of 5 V)

## ADDITIONAL INFORMATION

Weight	36 g
Dimensions	8 x 2,5 x 0,6 cm
Article No.	SBC-LCD16x2
Items delivered	SBC-LCD16x2
Customs tariff number	8531200000
EAN	4250236813219