



CrystalFontz America

Intelligent LCD Module Comparison



| Feature | CFA632 | CFA634 | CFA533 | CFA631 | CFA633 | CFA635 | CFA735 | CFA835 | CFA039A0NVD | XES635 |
|--|---------------------|---------------------|-------------------------|-----------------|--------------------|--------------------|--------------------|------------------------------|----------------------------|----------------|
| Host Interfaces | USB, RS232 I2C, SPI | USB, RS232 I2C, SPI | USB, Serial, RS232, I2C | USB, I2C | USB, Serial, RS232 | USB, Serial, RS232 | USB, Serial, RS232 | USB, Serial, RS232, I2C, SPI | USB, I2C, SPI, UART | USB |
| Layout & LCD Type | 16x2 Character | 20x4 Character | 16x2 Character | 20x2 Character | 16x2 Character | 20x4 Character | 20x4 Character | 244x68 Graphic w/Grayscale | 480x128 Full Color TFT LCD | 20x4 Character |
| Voltage Supply | 5v | 5v | 3.3-5v | 5v | 5v | 5v | 3.3-5.5v | 3.3-5.5v | 2.5-5.5v | 5v |
| Color Options | 2 | 4 | 3 | 2 | 4 | 3 | 3 | 3 | 1 | 3 |
| Color Depth | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 32 Grayscale | 16.7 million | 3 |
| Keypad | No ✗ | No ✗ | 6-Buttons ✓ | 4-Buttons ✓ | 6-Buttons ✓ | 6-Buttons ✓ | 6-Buttons ✓ | 6-Buttons ✓ | 6 RGB-Buttons ✓ | 6-Buttons ✓ |
| Packet Based Communication w/error checking | No ✗ | No ✗ | Yes ✓ | Yes ✓ | Yes ✓ | Yes ✓ | Yes ✓ | Yes ✓ | Yes ✓ | Yes ✓ |
| User Controlled GPIOs w/PWM | 0 ✗ | 0 ✗ | 5 ✓ | 5 ✓ | 5 ✓ | 5 ✓ | 5 ✓ | 13 ✓ | 13 ✓ | 0 ✗ |
| User non-volatile memory | No ✗ | No ✗ | 16-Bytes ✓ | 16-Bytes ✓ | 16-Bytes ✓ | 16-Bytes ✓ | 16-Bytes ✓ | 124-Bytes ✓ | 128-MBits ✓ | 16-Bytes ✓ |
| PC ATX Power Control | No ✗ | No ✗ | Yes ✓ | Yes ✓ | Yes ✓ | Yes ✓ | Yes ✓ | Yes ✓ | Yes ✓ | No ✗ |
| Temperature Monitoring | No ✗ | No ✗ | 32 Sensors ✓ | 32 Sensors ✓ | 32 Sensors ✓ | 16 w/FBSCAB ✓ | 16 w/FBSCAB ✓ | 128 w/8 FBSCABS ✓ | 512 w/32 FBSCABS ✓ | No ✗ |
| Drive Bay Mount Available | No ✗ | No ✗ | Yes ✓ | Yes ✓ | Yes ✓ | Yes ✓ | Yes ✓ | Yes ✓ | No ✗ | No ✗ |
| 1RU (Rack Unit) Compatible | No ✗ | No ✗ | Yes ✓ | Yes ✓ | Yes ✓ | Yes ✓ | Yes ✓ | Yes ✓ | Yes ✓ | No ✗ |
| 12v Fan Control / Monitoring | No ✗ | No ✗ | No ✗ | 4 w/SCAB ✓ | 4 ✓ | 4 w/FBSCAB ✓ | 4 w/FBSCAB ✓ | 32 w/8 FBSCABS ✓ | 128 w/32 FBSCABS ✓ | No ✗ |
| Bi-Color Dimmable Status LEDs | No ✗ | No ✗ | No ✗ | No ✗ | No ✗ | Yes ✓ | Yes ✓ | Yes ✓ | RGB ✓ | Yes ✓ |
| User Upgradable Firmware | No ✗ | No ✗ | No ✗ | No ✗ | No ✗ | Yes ✓ | Yes ✓ | Yes ✓ | Yes ✓ | Yes ✓ |
| Custom Graphics Support | No ✗ | No ✗ | No ✗ | No ✗ | No ✗ | No ✗ | No ✗ | Yes ✓ | Yes ✓ | No ✗ |
| MicroSD Support for Files and Graphics | No ✗ | No ✗ | No ✗ | No ✗ | No ✗ | No ✗ | No ✗ | Yes ✓ | Yes ✓ | No ✗ |
| Analog Voltage Inputs (ADC) | No ✗ | No ✗ | No ✗ | No ✗ | No ✗ | No ✗ | No ✗ | 2 ✓ | 2 ✓ | No ✗ |
| Closed-Loop Fan Control | No ✗ | No ✗ | No ✗ | No ✗ | No ✗ | No ✗ | No ✗ | Yes ✓ | No ✗ | No ✗ |
| Optional Touch Screen | No ✗ | No ✗ | No ✗ | No ✗ | No ✗ | No ✗ | No ✗ | No ✗ | Yes ✓ | No ✗ |
| Steel Enclosure | No ✗ | No ✗ | No ✗ | No ✗ | No ✗ | No ✗ | No ✗ | No ✗ | No ✗ | Yes ✓ |

Expansion Modules

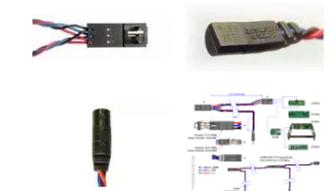


SCAB

System Cooling Accessory Board Adds fan and temperature cooling functions to our USB CFA631 series

CFAFBSCAB

Adds the same fan and temperature cooling functions to our CFA735, CFA835, CFA039A0NVD Series and CFA635 V1.5.



Temperature Monitoring

Temperature monitoring requires the use of a temperature sensor that is not included. Our part number for the 1-Wire temperature sensor is WR-DOW-Y17.

Contact Us

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