

TFT Display /

4.3"TFT LCD Display Module Controller Board w/Serial SPI,I2C,MCU



Pictures for reference only, subject to our existing product.



4.3"TFT LCD Display Module Controller Board w/Serial SPI,I2C,MCU

3

87 Review(s) |

Availability: In stock

US\$24.50

- Buy 10 for US\$23.89 each and save 3%
- Buy 30 for US\$23.27 each and save 6%
- Buy 50 for US\$22.66 each and save 8%
- Buy 100 for US\$22.05 each and save 10%
- Buy 500 or more [Quote Request](#)

Accessory for Parallel Interface(By Default)

-- Please Select --

Accessory for Serial Interface

-- Please Select --

Accessory for MicroSD Card Interface

-- Please Select --

MicroSD Card

-- Please Select --

4.3 inch Touch Panel

-- Please Select --

Flash Memory Chip (Not Installed)

-- Please Select --

Font Chip (Refer to Doc "Summary for Font Chip")

-- Please Select --

Qty:

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Quick Overview

ER-TFTM043-3 is 4.3" tft lcd module display with serial,spi,i2c and parallel interface,RA8875 controller,microsd card slot,font ic,flash chip.

Related Series Product

Check items to add to the cart or [select all](#)

TFT 4.3 inch LCD Module OPTL TouchScreen Display for MP4,GPS,480x272

US\$10.28

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Icd 4.3 inch TFT Display Module 480x272,VGA,Video AV Driver Board

US\$21.18

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4.3"LCD Touch Screen Module Display TFT SSD1963 Controller,MCU

US\$20.22

As low as: US\$18.53

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4.3"LCD HDMI VGA,Video AV Driver Controller Board,TFT Module Display

US\$28.34

As low as: US\$25.36

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ER-TFTM043-3 with Arduino MEGA

US\$44.20

Add to Wishlist

Description	Shipping / Return	Payment / Quantity	Stock / Warranty
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Specification	
Gross Weight (kg)	0.1520
Manufacturer	EastRising
Continuity Supply	We promise the long term continuity supply for this product no less than 10 years since 2013.
Part Number(Order Number)	ER-TFTM043-3
Display Format	480x272 Dots
Interface	6800 8-bit Parallel , 8080 8-bit Parallel , 6800 16-bit Parallel , 8080 16-bit Parallel , I2C, 3-Wire Serial SPI, 4-Wire Serial SPI
IC or Equivalent	RA8875
Appearance	RGB on Black
Diagonal Size	4.3"
Connection	Pin Header, FFC-Connector
Outline Dimension	132.70W)x75.8(H)mm
Visual Area	97.90x56.65mm
Active Area	95.04(W)x53.85(H)mm
Character Size	No
Dot (Pixel) Size	0.198(W)x0.198(H)mm
Dot (Pixel) Pitch	No
IC Package	SMT
Display Type	TFT-LCD Color
Touch Panel Optional	Yes
Sunlight Readable	No
Response Time(Typ)	15ms
Contrast Ratio(Typ)	400:1
Colors	256/65K
Viewing Direction	No
Viewing Angle Range	Left:70.0 , Right:70.0 , Up:50.0 , Down:50.0 degree
Brightness(Typ)	350cd/m2
Backlight Color	White Color
Backlight Current (Typ)	15mA
Power Supply(Typ)	3.3V, 5V
Supply Current for LCM(Max)	230mA (Vdd=3.3V) 180mA (Vdd=5.0V)
Operating Temperature	-20°C~70°C
Storage Temperature	-30°C~80°C
Series Number	ER-TFT043-3

4.3" TFT LCD Series Comparison Chart

					
	ER-TFT043-3	ER-TFTM043-3	ER-TFTM043-4	ER-TFTV043-3	ER-TFTV043-4
Interface ↓					
RGB	○				
I2C serial		○			

3-wire serial		o			
4-wire serial		o			
8-bit Parallel		o	o		
9-bit Parallel			o		
16-bit Parallel		o	o		
18-bit Parallel			o		
24-bit Parallel			o		
Video(CVBS)				o	o
VGA				o	o
HDMI					o
Resolution ↓					
800X480 Dots					
480x272 Dots	o	o	o	o	o
Touch Panel ↓					
Capacitive Touch					
Resisitive Touch	o	o	o	o	o

Attention

All the accessories listed below tier pricing need to pay.We won't deliver until you select.



Description

ER-TFTM043-3 is 480x272 dots 4.3" color tft lcd module display with RA8875 controller board,superior display quality,super wide viewing angle and easily controlled by MCU such as 8051, PIC, AVR, ARDUINO,and ARM .It can be used in any embedded systems,industrial device,security and hand-held equipment which requires display in high quality and colorful image.

It supports 8080 6800 8-bit, 16-bit parallel,3-wire,4-wire,I2C serial spi interface.Built-in MicroSD card slot,touch panel controller and 4-wire resistive touch panel. It's optional for font chip, flash chip and microsd card. We offer two types connection,one is pinheader and the another is ZIF connector with flat cable mounting on board by default and suggested.

Of course, we wouldn't just leave you with a datasheet and a "good luck!".Check out our detailed tutorial such as wiring, example code for 8051 or arduino platform.

Datasheet for TFT LCD Module,Controller IC

Format	Documents Name (Downloadable)	Version	Language	Update Date	Size
	4.3 inch 480x272 Dots TFT LCD Module with RA8875 Controller Datasheet	1.0	English	Aug-2013-05	642K
	Controller IC RA8875 Datasheet	1.0	English	Jul-2013-31	4.3M

Datasheet for Resistive Touch Panel

Format	Documents Name (Downloadable)	Version	Language	Update Date	Size
	4.3 inch 4-Wire Touch Panel Datasheet	1.0	English	May-2013-13	434K

Datasheet for Flash Memory,MicroSD Card Slot

Format	Documents Name (Downloadable)	Version	Language	Update Date	Size
	128M-BIT Flash W25Q128FV Datasheet	1.0	English	Oct-2012-01	1.0M
	MicoSD Card Slot Drawing	1.0	English	Dec-2013-12	1.2M

Datasheet for Font Chip

Format	Documents Name (Downloadable)	Version	Language	Update Date	Size
	Summary for Font Chip	1.0	English	Aug-2013-07	133K
	ER3300-1 Datasheet	1.0	English	May-2010-08	621K
	ER3301-1 Datasheet	1.0	English	Mar-2014-27	2.0M
	ER3303-1 Datasheet	1.0	English	Oct-2013-01	688K
	ER3304-1 Datasheet	1.0	English	Apr-2013-12	935K

Datasheet for ZIF Connector

Format	Documents Name (Downloadable)	Version	Language	Update Date	Size
	8 Pins 1.00mm Pitch ZIF Connector Drawing	1.0	English	Aug-2013-07	270K
	30 Pins 1.00mm Pitch ZIF Connector Drawing	1.0	English	Aug-2013-07	274K

Learn - C51(8051) Demo Code,Interfacing

Format	Documents Name (Downloadable)	Version	Language	Update Date	Size
	3-wire SPI Interface DemoCode	1.0	English	Aug-2013-23	197K
	4-wire_SPI Interface_Demo Code	1.0	English	Aug-2013-23	197K
	8080 8-bit Parallel Interface Demo Code	1.0	English	Aug-2013-23	197K
	8080 16-bit Parallel Interface Demo Code	1.0	English	Aug-2013-23	197K
	I2C_Interface Demo Code	1.0	English	Aug-2013-23	197K
	8080 16-bit Parallel Interface+MicroSD Demo Code	1.0	English	Oct-2014-15	2.2M
	ER-TFTM043-3 Interfacing Document	1.0	English	Aug-2013-05	482K

Learn - Arduino Due (Arduino MEGA 2560)Libraries,Examples,Interfacing

Format	Documents Name (Downloadable)	Version	Language	Update Date	Size
	Libraries+Examples for ER-TFTM043-3	1.0	English	Feb-22-2015	28.2K
	Arduino Interfacing Document for ER-TFTM043-3	1.0	English	Dec-27-2014	72.4K

You may also be interested in the following product(s)**4.3 inch 4-Wire Resistive Touch Panel Screen****US\$2.02**

As low as: US\$1.81

Customer Reviews

Review by **NAGYKAMAL**

Rating

"Nice and easy to do business with. Plus, they followed a special shipping request perfectly. *(Posted on 1/16/14)*

Review by **AkFitz**

Rating

"Fast email response and confirmation of order. Delivery and tracking info automatically sent which was appreciated. Goods arrive in 4 days and were exactly as advertised and expected." *(Posted on 1/15/14)*

Review by **syndetic**

Rating

"The order was shipped promptly and arrived when expected. *(Posted on 1/14/14)*

Review by **Big Tex**

Rating

"I needed an unusual size monochrome graphics module. The site was easy to navigate and I found several choices. Datasheets are posted with the LCD. Pricing was good. I ordered, the LCD arrived promptly and well packed. I'd definitely use buydisplay again." *(Posted on 1/13/14)*

Review by **ssavett**

Rating

"We wanted to upgrade the displays in our existing field automation equipment, and wanted one that was daylight capable. We searched the net, and found buydisplay. We purchased the first 4.3" display earlier this year, and it is now in service. We have now purchased 200 more for other replacements and future development. *(Posted on 1/12/14)*

Review by **SEinson**

Rating

"Customer service person was very helpful . Product was easy to work with once we had correct data sheets, original information from our customer was incorrect (Reset Line). Display is clear and well lit. Looking forward to go into production with this module with customer acceptance." *(Posted on 1/11/14)*

Review by **otiake**

Rating

"AWESOME technical service and prompt response! Very fast shipping and perfect screen!" *(Posted on 1/10/14)*

Review by **baldy672**

Rating

Great email communication with automated tracking information. Products always packaged well and shipped fast. " *(Posted on 1/4/14)*

Review by **jph2197**

Rating

"nice web front and technicals spec's on line, just what I was looking for." *(Posted on 1/3/14)*

Review by **Colin G Stirl.**

Rating

Product received as ordered, and quickly." *(Posted on 12/8/13)*

Review by **jetjaguar**

Rating

"Overall Excellent service! Order got shipped on the same day." *(Posted on 12/7/13)*

Review by **vk4tsc**

Rating

Buydisplay is really an excellent company. They deal in all sorts of quality LCD OLED E-Ink... panels of all types, and they are available to help get you going if you run into trouble. Their products have a feel of true quality. Grade A++ Company." *(Posted on 12/6/13)*

Review by **3592g4c8k**

Rating

"Very fast shipping, quality product with supporting documentation. Thanks!" *(Posted on 12/5/13)*

Review by **Evert**

Rating

"Pretty good service, prompt reply, nothing to complain so far " *(Posted on 12/4/13)*

Review by **zazzu**

Rating

"Good service. There is always a long lead time on the part I order, so I was getting in an order early to avoid delays later. I was contacted a very short time later with the approximate lead times and was offered a smaller amount of displays to be shipped immediately if I chose." *(Posted on 12/3/13)*

Review by **craeifa**

Rating

"BuyDisplay shipped my order exactly as promised and their service was terrific, just as it has been since I started doing business with them in 2009." *(Posted on 12/2/13)*

Review by **puppetboy**

Rating

buydisplay has a large selection of items, good inventory, competitive pricing and excellent ship times. They seem to be a quality company from top to bottom. " *(Posted on 12/1/13)*

Review by **alt130**

Rating

"buydisplay has all the models of LCD that anyone needs. Thanks" *(Posted on 11/30/13)*

Review by **nworder**

Rating

"I have had excellent overall experience with buydisplay. I have also recommended buydisplay products to my third party clients, one of whom has included a different LCD panel in their design.Thank you Mr.Sajay for your good support. *(Posted on 11/29/13)*

Review by **c.ostorero**

Rating

This company offers a wide spectrum of LCD modules at very reasonable prices. They are responsive and helpful when contacted. I would continue to recommend their products, and they will remain on our approved vendor list. *(Posted on 11/28/13)*

Review by **jkwallin**

Rating

this last purchase and the fifth one that . I have always been ok with a fast service. *(Posted on 11/27/13)*

Review by **NewKleer**

Rating

"Quick and precise. Good company." *(Posted on 11/26/13)*

Review by **GL**

Rating

"Your support staff is very helpful and I will highly recomend your company to other engineers and my customers." *(Posted on 11/25/13)*

Review by **copernico**

Rating

Generally positive experience. The part I requested shipped in a reasonable amount of time. My experience with tech support was only fair: they took longer than expected to reply, and their replies were not as helpful as I would have liked. *(Posted on 11/24/13)*

Review by **rughspew**

Rating

"MY OVERALL EXPERIENCE ARE VERY BEST AND VERY SATISFIED." *(Posted on 11/23/13)*

Review by **hershilea**

Rating

"Good. Their website is easy to use and clear." *(Posted on 11/22/13)*

Review by **wimg**

Rating

"A fantastic company to use.
Parts always in stock, easy to use site, Incredibly quick delivery.
Always helpful on the phone and quick to respond to mails. *(Posted on 11/21/13)*

Review by **meklubba**

Rating

"Hi,
I just did business with buydisplay and I am really satisfied of the service offered. I had many questions before selecting the right screen and each time I sent a mail to the company, I had an answer within the two days. This is something that made me confident about doing business with buydisplay. *(Posted on 11/20/13)*

Review by **rickreagan**

Rating

"Overall experience is great! We had a bad LCD probably due to an ESD hit or improper voltage. We recieved a new LCD without any RMA."
(Posted on 11/19/13)

Review by **rdarwish**

Rating

Product was well packed and received within 2 days (international).The module is well made and of high quality. (Posted on 11/18/13)

Review by **abasilico**

Rating

A part I recently wanted to purchase was not available, but the customer service and technical personnel were very helpful in finding an alternative.This purchase like many before was an easy an pleasant task." (Posted on 11/17/13)

Review by **nmeryash**

Rating

"Good customer service as I had to change my order. Even though my item is on B/O, I have the confidence that buydisplay will not be late."
(Posted on 11/12/13)

Review by **tcolliver**

Rating

"Easy to order from website and fantastic delivery - only 3 working days to Sydney, Australia !!!" (Posted on 11/12/13)

Review by **Levish**

Rating

"I bought a few 4.3 TFT LCD screens for a DIY project that needed a specific color on color background. They have the biggest selection of colors and conveniently have the best prices. Items were well packed in my shipment and they even personally emailed me to confirm that my displays work. That was an unexpected gesture and made me feel good about making future orders." (Posted on 11/12/13)

Review by **dbwright**

Rating

I recently bought 10pcs 4.3 inch tft lcd module with mcu interface from buydisplay.It works very well. Perfect item, as described arrived in good time. Look forward to future dealings " (Posted on 11/12/13)

Review by **dnigrin**

Rating

"Working with buydisplay is great. Their product is great.
We use their displays with imbedded systems driven by the Parallax Propeller parallel processors. Recently I needed some stand offs for the displays. They arrived here within a couple of days so our project could continue on nu-incumbered. Thank you buydisplay. (Posted on 11/12/13)

Review by **Decoder**

Rating

"Product exactly what I ordered, documentation well written, delivered on time, good price. Overall great service." (Posted on 11/11/13)

Review by **eliaskesh**

Rating

I order via the internet and have the product shipped to Australia. I have always found the process to be extremely efficient and the product delivered within 5 working days." (Posted on 11/10/13)

Review by **wolfins**

Rating

GREAT PRODUCT, FAST SHIPPING. WILL DO BUSINESS WITH BUYDISPLAY AGAIN!" (Posted on 11/9/13)

Review by **aongena**

Rating

I like the product I am evaluating. Their customer service group is very good. Their engineering organization does not provide important data to customers when requested." (Posted on 11/8/13)

Review by **William Castro**

Rating

Th price, packing, delivery and quality of product were very good" (Posted on 11/7/13)

Review by **britonk**

Rating

I received fast answers and proposals for alternate parts." (Posted on 11/3/13)

Review by **Craskin**

Rating

I used a buydisplay product in a previous design (small graphics display). I was some years ago but I remember that the support was excellent and the product worked as claimed. As a result, I was happy to see that a display meeting our client's needs was available from buydisplay. I expect that the pleasanr experience will be repeated." *(Posted on 11/2/13)*

Review by **jabdool**

Rating

I am satisfied with their service. The parts arrived in a timely fashion." *(Posted on 11/2/13)*

Review by **leo2k**

Rating

"VERY SATISFIED WITH BUYDISPLAY DELIVERY SERVICE AND THE EXCELLENT SERVICE OF YOUR INSIDE SALES TEAM." *(Posted on 11/2/13)*

Review by **Silver Dragon**

Rating

"Good products, good prices and services.Interested to include customs taxes in final price when import to France, instead of paying to Fedex." *(Posted on 11/1/13)*

Review by **drewwpb**

Rating

"It's everytime astonishing the speed of shipping process. Nevertheless FedEx efficiency has a cost. Sometimes a cheaper alternative would be fine as well." *(Posted on 11/1/13)*

Review by **peterf**

Rating

"Excellent - very smooth and easy" *(Posted on 10/19/13)*

Review by **fbenedetti**

Rating

IMHO, this is the best dam LCD sites around. They know what customers are looking for in an LCD, by adding great options to their site. Such as search engines for what you are looking for, images of the LCD and so much more. No other site has this level of detail. *(Posted on 10/19/13)*

Review by **ss433**

Rating

Really good. Good products, good service and overall, the possibility to place small orders, without MOQ. *(Posted on 10/19/13)*

Review by **gcoker**

Rating

My experience with buydisplay is good, I am satisfied with the delivery times, and the support of their products." *(Posted on 10/19/13)*

Review by **mouser69**

Rating

Great products, very fast delivery. *(Posted on 10/19/13)*

Review by **saperboy**

Rating

The folks at buydisplay have always been great in dealing with our company and working with us during design changes! Keep up the good work. *(Posted on 10/19/13)*

Review by **swift_gti**

Rating

"Ordering from buydisplay is always a great experience. Their website is easy to use and has all the information I want, like lead times and replacement part information saving me time and money." *(Posted on 10/19/13)*

Review by **evandude**

Rating

"We have always been happy with the service and support that buydisplay has supplied." *(Posted on 10/19/13)*

Review by **skeedatl**

Rating

"Sales representative was courteous and professional and verified product availability. When there was a technical question, technical support was willing and able to help immediately." *(Posted on 10/19/13)*

Review by **asianx13oy**

Rating

I have ordered before and reorder with ease. They always respond by the next day and deliveries are on time." *(Posted on 10/19/13)*

Review by **keaner**

Rating

"Excellent service and communication!" *(Posted on 10/19/13)*

Review by **epthompson**

Rating

I am delighted with buydisplay. They combined two of my orders to save shipping, and I believe they shipped parts that were listed as being back ordered. I haven't tried the LCD's they sent yet, but they arrived very quickly." *(Posted on 10/19/13)*

Review by **jglasgow**

Rating

"Very Good. Quick response and prompt service." *(Posted on 10/19/13)*

Review by **subaruwrx**

Rating

"Good. Ordering process was painless." *(Posted on 10/11/13)*

Review by **shoebrook**

Rating

Super fast delivery to South Africa! Easy checkout and always kept informed on order status. Thank you buydisplay." *(Posted on 10/11/13)*

Review by **Amnesia**

Rating

"Website is very informative. Spech sheets are in pdf format and download of source code is available and very useful." *(Posted on 10/11/13)*

Review by **mezz64**

Rating

"I placed an order on-line and received a prompt email reply indicating that my order had been received and that it would ship soon. Shipment was made as promised and full order was received within the time promised for my chosen shipping method. Product was well packed received in good condition." *(Posted on 10/11/13)*

Review by **tdperry**

Rating

"Excellent delivery and service.Sajay was very helpful." *(Posted on 10/11/13)*

Review by **rhcram**

Rating

"Very Professional, displays arrived promptly, and they look good and work as expected. Highly recommended." *(Posted on 10/11/13)*

Review by **sedf**

Rating

"We are, as a company, continually in process of expanding our horizons and developing new products for greater efficiency and for service to the community, utilizing the ever-expanding role of technology. The buydisplay line of display options figures prominently in this development process.

1) Recently, as we began the re-order process, we noted an unexpected change in the product we were accustomed to use. A simple email assuaged all our fears, as we were directed to the product precisely filling our needs.

2) Later, as our inventory dropped below the "acceptable level," a simple order placed, then delivered, without fanfare or lame excuse, the displays, at our doorstep, even ahead of their expected arrival.

How satisfied are we with buydisplay? They are, in our book, #1! Thank you, buydisplay." *(Posted on 10/10/13)*

Review by **djformat**

Rating

Fast response and accurate information. Always deliver in time. *(Posted on 10/10/13)*

Review by **Psykllops**

Rating

Great service! Got the support and service you would expect and fast. GOOD WORK " *(Posted on 10/10/13)*

Review by **davidqdc**

Rating

"We did receive the items from buydisplay.The shipment arrived very fast and we are very pleased with the service we got." *(Posted on 9/25/13)*

Review by **Firehed**

Rating

Prompt delivery, and arrived in good condition." *(Posted on 9/25/13)*

Review by **Pabpeme**

Rating

Need product much sooner than they are able to ship." *(Posted on 9/25/13)*

Review by **flm150**

Rating

"Easy to do business with, good products, and good support." *(Posted on 9/25/13)*

Review by **Belgarius**

Rating

A very professional and expedient service. *(Posted on 9/25/13)*

Review by **Orionizer**

Rating

Very Satisfied. Recomendad! *(Posted on 9/25/13)*

Review by **planit**

Rating

I didn't have problems. Your service is excellent *(Posted on 9/25/13)*

Review by **mpeters123**

Rating

The order proses was streamlined and my order was received very fast *(Posted on 9/25/13)*

Review by **dbernaci**

Rating

We've been buying from buydisplay for the past 2 years. They're a great company to deal with. They ALWAYS ship quickly. Their engineering department has been helpful in answering questions. .All in all, a great company that we can recommend. *(Posted on 9/23/13)*

Review by **tblanning**

Rating

Very good company, very good products (large range of products), the product documentation is complete. Services and the prices are very good, and also the delivery time.Thank you very much, nice team." *(Posted on 9/23/13)*

Review by **suprnova**

Rating

Over all experience was fine *(Posted on 9/22/13)*

Review by **markl**

Rating

Good product & service will use again. *(Posted on 9/21/13)*

Review by **johnmatt**

Rating

Expedition quickly and good price *(Posted on 9/19/13)*

Review by **hedghogz**

Rating

The display I ordered arrived quickly and buydisplay answered my question about delivery promptly *(Posted on 9/19/13)*

Review by **utechct**

Rating

The response from Buydisplay is excellent. I am very satisfied with how well this was handled. I am upgrading my rating to a 5. *(Posted on 9/18/13)*

Review by **matmyers**

Rating

I got it faster than expected and it works perfectly! Thanks! *(Posted on 9/15/13)*

Review by **mrs.whitetuna**

Rating

order arrived on time. nothing was back ordered, and support on their web page is fantastic. *(Posted on 9/15/13)*

Review by **gomez75**

Rating

Buydisplay at time of order made me aware of necessary inter-connecting cables needed to make their product functional. They also provide those cables in a set at a very reasonable cost. Products received in excellent condition ready for use. *(Posted on 9/15/13)*

Write Your Own Review

Only registered users can write reviews. Please, [log in](#) or [register](#)