DHM®

3D Printing

&

Mechanical Automation

Duet3D

Advanced 3D Printing Electronics

DHM®

WHO WE ARE:

We are an Italian company that since 2012 accompanies the transformation of Craftsmanship towards Industry 4.0.

We provide mechanical and electronic components that can be used on CNC machines, automation systems or prototypes. We also have a wide assortment of Filament and Resin 3D printers, as well as accessories and consumables.
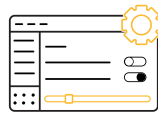
We offer a wide range of product customization through our configurators, and supply of non-catalog material.

The items handled are sample tested in our headquarters in Venice by qualified personnel to ensure our customers reliable and high quality products. They are available and delivered immediately, or can be ordered with the timing specified in the product sheet.

Thanks to the experience gained and the use of 3D printing we work directly in the field of industrial automation and robotics. We study, design and manufacture machines to make process lines safer, faster and more reliable. We provide adequate support in case of need.

In view of sustainable development we participate in Race to Zero, for the achievement of carbon neutrality.

CONFIGURATOR

Configurable components are products where you can select specific design features, and see pricing and lead times at a glance.
Popular configurators include linear shafts, linear guides, miniature linear guides, aluminum extrusions and aluminum sheets. Select your specifications from material, surface treatment, length and diameter.
Various types of machining are available on request: drilling, threading, tapping, grooving, honing, satin finishing, coloring and packaging.

PROJECTS MANAGEMENT

This tool allows you to create different projects or lists of items on our website to order them at your convenience. Add products by clicking the "Add to Project" button or through the dedicated page within your personal profile.
You can also share projects in various ways: you can send a read-only copy, you can export your project to PDF or CSV, and you can make your project public on the project page of our website.

TECHNICAL RESOURCES - BLOG

A single point where you can find insights, application tips, videos, technical articles and tutorials, but not only, to support you during the development of your projects.
In addition, for registered users, you can download the pdf of the technical sheets for each product on the platform.

ADVANCED PRICES/AVAILABILITY MANAGEMENT

With the renewal of the online platform and the continuous updates, we have made it even easier to check stock availability and price, and purchase products. In each product page, as in the cart before concluding the order, you can check stocks in real time, with the timing of delivery of the material and specific details about the processing, if any. You can also see the stocks that can be purchased in back-order with the timing of arrivals and management by the factory.
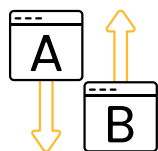
SHARE/SAVE CART

Our DHM-online platform now offers you the ability to save and share your shopping cart. This way you can save products for a future order, or forward your cart to a colleague to place an order. You can also save multiple carts. For full details, access your cart and click the "Share" or "Save" icon.

ADVANCED SEARCH

Thanks to the advanced search, browsing through the categories and products of the DHM-online website is much easier. The advanced search allows you to search through filters, narrowing down the number of compatible components to your needs until you find what you're looking for.

PRODUCT COMPARISON

The product comparison tool allows you to select up to 3 products at a time to compare. On the dedicated page you can compare the information and specifications of the selected products in a side-by-side format, making it easy to identify similarities and differences between products.
You can remove or add items to your cart easily by clicking on the appropriate button.

QUOTE

In each product sheet you can find the button "add to quote", in this way you can create a request by including the product in the desired quantity. You can then complete the quote request for the single product or proceed with the inclusion of other items in the list.
When you're on the "Submit Quote Request" form, fill out all the necessary fields so that we can generate the most accurate quote possible. You can also change the quantity directly when submitting on your quote if needed.
This service is dedicated to B2B customers

QUICK ORDER

From the quick order page you can quickly order all the products you need at once.
Just enter the product code of the store (reference - SKU), the title, the variant and the quantity required. Click on "add to cart" and you're ready to complete your purchase.
Alternatively, you can upload the product list (BOM): upload an Excel, CSV or tab-delimited file with the title or product code and quantity required.

FAQ

If you need support, assistance or more information about a product, an order or an online service, we are here to help. In the Frequently Asked Questions (FAQ) section you will easily find quick answers to the most common questions regarding orders, account, catalog and more. In addition, on each product page you can submit a specific request for technical support.

Dedicated assistance

For customers with a business account and for public administrations it is possible to use the online technical support chat. Dedicated support allows you to have a direct connection to our team. If the chat is offline please refer to our customer service at 049 2701149 or email info@dhm-online.com

Affiliate Program

Through our affiliate program you can monetize your traffic on blogs, forums, content platforms or social pages. You create easy-to-use links through which you can redirect your audience to specific recommended products earning money with every purchase or for every eligible sign-up. In turn, the new customer will receive a coupon good for their first purchase.
Only new customers can be sponsored, it is not possible to sponsor a customer already registered on the site.

Loyalty Program

Our loyalty program allows customers to accumulate points based on orders placed. This will allow you to take advantage of dedicated discounts that can be viewed directly on the product page during purchase or in the account section.

For more information about our services visit the dedicated page on our website
https://www.dhm-online.com/en/content/20-dhm-online-services
or contact us through email, phone or contact form in our website.

Duet 3D

Duet 3D: next generation electronics for 3D printing and CNC.

Compass DHM projects is an official reseller of the entire Duet3D range. The Duet range of control electronics, together with the advanced RepRapFirmware and DuetWebControl software, enables the control of 3D printers and other forms of CNC motion and control.

These control boards are based on 32-bit ARM processors, running RepRapFirmware. The Duet family can be controlled via a Web interface, but also supports a touchscreen called PanelDue.
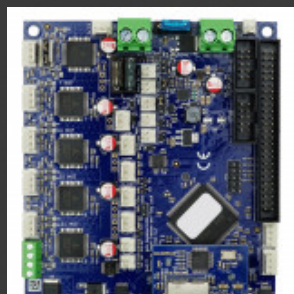Key features of duet3D boards:

- Fast, quiet, high-quality prints: Powerful 32-bit processor - Super quiet TMC2660 stepper drivers - Multi-extrusion - High power output
- Network connectivity: Dedicated WiFi or Ethernet module - Wireless control - WPA-2 encryption for network security
- Easy to use: Most printers supported - Easy to configure - G-code settings
- Expandable: Additional units - Touch screen support - Advanced calibration support - Accurate temperature control

Duet 2 Ethernet v1.04 Electronics Controller Card

Marca: Duet3D
SKU: 19240000

The Duet 2 Ethernet is an advanced 32-bit electronic board for controlling 3D printers and other CNC machines. It has the same functionality as the Duet 2 Wifi, plus it provides Ethernet connectivity instead of Wifi. The Duet 2 Ethernet is the latest PCB revision of the Duet 2 Ethernet, v1.04. Her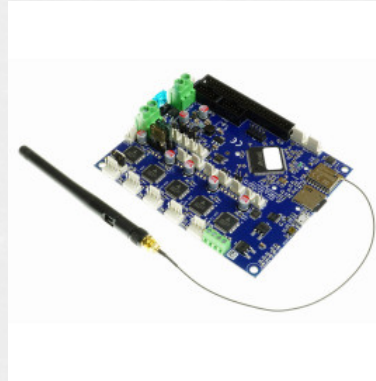e are the main features at a glance: - Powerful 32-bit processor - Dedicated Ethernet module. - Super quiet TMC2660 stepper drivers, up to 256 microstepping. - High speed SD card and support for a second external SD card if needed. - Dual extruders on the main board, up to 5 more extruders on the expansion board. - High power: each stepper driver can support 2.8A motor current, currently limited to 2.4A in software. The bed heater circuit is specifically designed for high current (18A). Possibility to connect via PC, tablet or smartphone on the same network to the dedicated web interface. Configure your printer and update the firmware via the web interface. All common 3D printer geometries supported Expandable up to 7 extruders with firmware support to mix nozzles and remap axes to use external high power drivers. Support for PanelDue: a full-color graphical touchscreen. Support for DC42 IR Z probe and Duet3D Smart Effector for delta printers. Supplied with Molex-compatible connectors and tips for power and heating terminals. Thermistors can be connected directly, alternatively two expansions with dedicated temperature sensing are available: PT100 expansion or thermocouple expansion.

Duet 2 Wifi v1.04 Electronic Controller Card with External...

Marca: Duet3D - SKU: 19240002

The Duet 2 Wifi is an advanced 32-bit electronic controller for 3D printers and other CNC machines. It has the same functionality as the Duet 2 Ethernet in addition to providing WiFi connectivity rather than Ethernet. The Duet 2 Wifi is the latest PCB revision of the Duet 2 Wifi, v1.04. Here are the main features at a glance: - Powerful 32-bit processor - Dedicated Wifi module with: - external antenna for Wifi - Super quiet TMC2660 stepper drivers, up to...

Duet 2 Wifi v1.05 Electronic Controller Card built-in ante...

Marca: Duet3D - SKU: 19240001

The Duet 2 Wifi is an advanced 32-bit electronic controller for 3D printers and other CNC machines. It has the same functionality as the Duet 2 Ethernet in addition to providing WiFi connectivity rather than Ethernet. The Duet 2 Wifi is the latest PCB revision of the Duet 2 Wifi, v1.04. Here are the main features at a glance: - Powerful 32-bit processor - Dedicated Wifi module with: - A built-in compact antenna or an external antenna to extend the Wifi r...

Duet3D DueX 2-channel expansion board
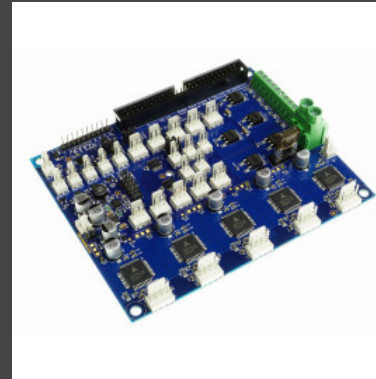
Marca: Duet3D - SKU: 19240009

Expansion board for Duet.. electronic controller boards. The Duex2 has the following features: 2 additional TMC2660 stepper motor drivers with stall notification. 5 additional extruder heater outputs. 5 servo outputs with 5V power supply and 5V signal levels, sharing control channels with the heaters. This allows unused heater channels to be used to drive the servos. 5 additional limit inputs with indicator LEDs and 3.3 V / 5 V voltage selection. These c...

Duet3D DueX 5-channel expansion board
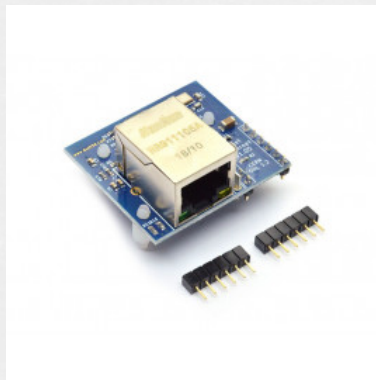
Marca: Duet3D - SKU: 19240010

Expansion board for Duet electronic controller boards. The Duex5 has the following features: 5 additional TMC2660 stepper motor drivers with stall notification. 5 additional extruder heater outputs. 5 servo outputs with 5V power supply and 5V signal levels, sharing control channels with heaters so you can use unused heater channels to drive servos. 5 additional limit inputs with indicator LEDs and 3.3 V / 5 V voltage selection. These are also usable as o...

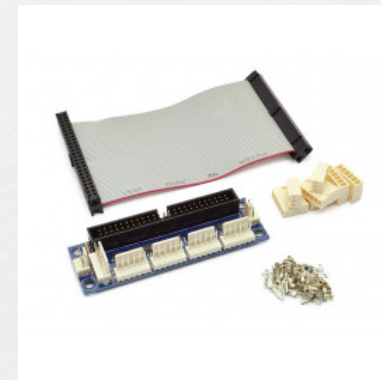## Duet3D Duet Ethernet Module

Marca: Duet3D - SKU: 19240008

The Ethernet network module for a Duet 2 Ethernet card. Comes with spacers and mounting plates. Do not purchase this product to convert a Duet 2 WiFi unless you are comfortable desoldering the Duet 2 WiFi module without damaging Duet. Keep in mind that converting a Duet 2 WiFi device to Duet 2 Ethernet using this module will invalidate your Duet 2 WiFi guaranteed.

Duet3D Expansion header breakout board
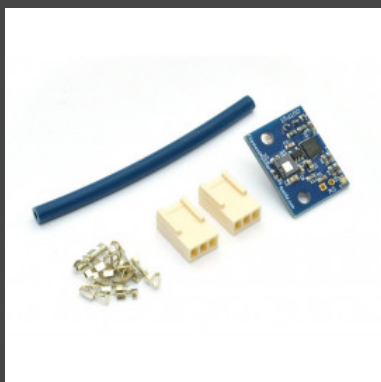
Marca: Duet3D - SKU: 19240011

This breakout board connects to a second generation Duet board expansion header (Duet Wifi or Duet Ethernet) and is specifically designed for external drivers that acquire 5V differential signals. It exposes each of the 5 stepper channels of the expansion header as follows: step+ Step-dir + Dir- en + en- It also bursts heater signals 6 and 7 at 5V. Documentation is posted on the wiki I t comes with Molex KK compatible connectors and crimps, along with ...

Duet3D Filament Monitor - Laser Version

Marca: Duet3D - SKU: 19240012

Filament moving through the filament monitor is detected by the laser optical sensor. The microcontroller in the filament monitor reads the amount and direction of motion and periodically sends the accumulated amount of motion to the Duet. When net extruder movement greater than the number of mm configured in the E parameter (for example 3mm) has been commanded, the extrusion measured by the filament monitor is compared with the amount of extrusion command...

Duet3D Filament Monitor - Rotating Magnet

Marca: Duet3D - SKU: 19240020

Filament sensor that checks both the presence of the filament and the correct feed. The filament passing through the sensor is detected by the magnetic sensor. The sensor microcontroller reads the amount and direction of movement and periodically sends the accumulated amount of movement to the board. When a feed command is sent to the extruder that is greater than the number of mm configured in parameter E (e.g. 3 mm), the feed measured by the sensor is ...

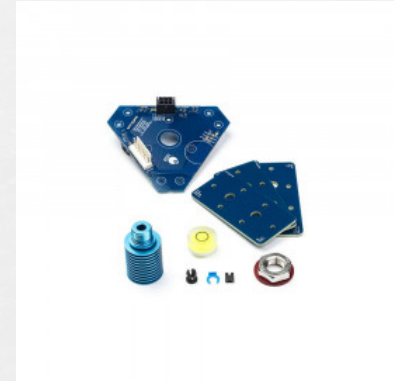## Duet3D Ball-stud ends for magball delta arms

Marca: Duet3D - SKU: 19240021

Threaded pin with spherical head compatible with Haydn Huntley?s Magball delta arms. Package contains 6 spherical pin ends that install perfectly on the Delta Printer Smart Effector. The magball ends allow you to quickly interchange multiple smart effectors. (Note that 12 ball pin ends are required for both ends of 6 rods).

Duet3D Delta Smart Effector

Marca: Duet3D - SKU: 19240007

The Smart Effector for delta printers allows the hotend to be used as a Z-probe, offering fantastic accuracy over the entire delta area, eliminating the effect of tilt. It uses precision PCB manufacturing to ensure equal hole spacing between the effector and the carriages on the towers, further improving accuracy. Supplied with a custom e3d v6 heat sink (manufactured by e3d on our behalf). Supplied with 3 printed circuit board carriage adapters with 20mm ...

Duet3D Haydn Huntley's Magball delta arms
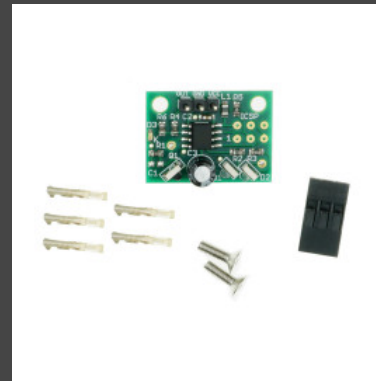
Marca: Duet3D - SKU: 19240022

Haydn Huntley?s Magball delta arms are precision-assembled arms with magnetic ends that are compatible with spherical head threaded pins work perfectly with the Smart Effector for Delta printers. The arms are 360mm long, the most commonly used and have machined Delrin ends. Be sure to add 2 sets of 6 ball stud ends (to connect both ends of the carbon rods)
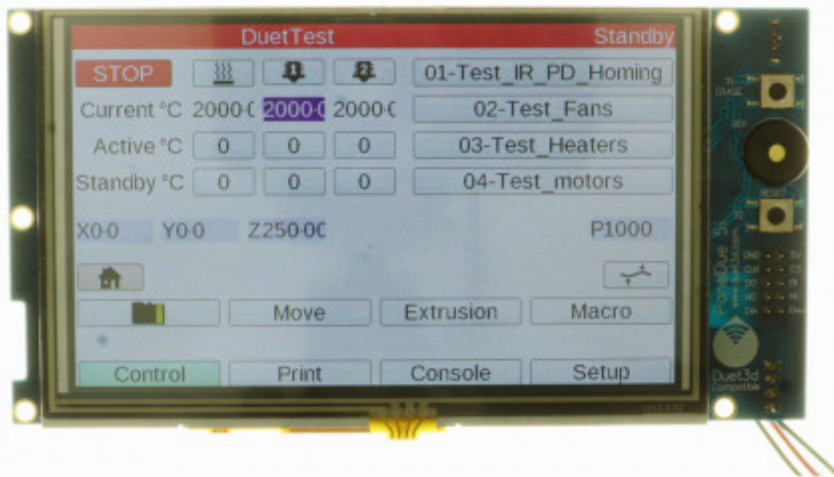
Duet3D IR Probe

Marca: Duet3D - SKU: 19240013

Differential height sensor board with cable kit A differential modulated IR height sensor. The sensor detects the height of the target by looking for light reflected from two separate LEDs to be equal. The two LEDs are positioned to reflect light back into the sensor at slightly different heights. This allows the sensor to be used on almost any bed surface. It connects to the Duet family of controllers via a dedicated probe header.

Duet3D PanelDue Integrated 7''

PanelDue is a color touch screen controller for Duet and other 3D printing electronic devices that support it. This integrated version is a high quality 7" TFT LCD panel made by a leading manufacturer, with David Crocker's PanelDue controller integrated into the 7" LCD PCB. 800 × 480 pixel resolution on a 7" LCD. 5V power supply from the host 3D printer controller. Asynchronous 2-wire serial interface with 3.3V signal level (5V input tolerant). Connections to the built-in micro SD card socket and PanelDue serial and power connections are all available via a 10-way ribbon cable. A 300mm long ribbon cable (maximum recommended length) is available as an option to add to your order. 4-Wire cable to connect PanelDue to the controller board for serial and power connections. This cable is provided (1m length) The controller board without a screen or the 4.3 and 5 inch verisons with a separate LCD are available in this PanelDue product listing. There is an overview of the PanelDue connection in the documentation. https://duet3d.dozuki.com/Wiki/Connecting_an_LCD_control_panel#Section_Connecting_a_PanelDue
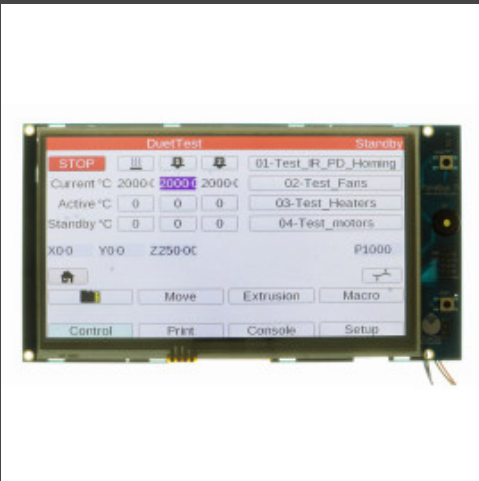
Duet3D PanelDue 4.3'

PanelDue is a color touchscreen controller for Duet and other 3dprinting electronic devices that support it. The controller board and firmware support 3 screen sizes: 4.3", 5" and 7", at two resolutions: 480 × 272 (4.3" display) or 800 × 480 pixels (5 and 7" display). a lower resolution of the 4.3" display means that not as much information can be displayed on the screen, for example a maximum of 4 extruders, as shown in the figure. We now provide the 7-inch LCD and PanelDue as an integrated unit: the PanelDue 7i. 5V power supply from the host 3D printer controller. Asynchronous 2-wire serial interface with 3.3 V signal level (5 V input tolerant). Connections to the integrated micro SD card socket and PanelDue serial and power connections are all available via a 10-way ribbon cable. A 300mm long ribbon cable (maximum recommended length) is available as an option to add to your order. 4-Wire cable to connect PanelDue to the controller board for serial and power connections. This cable is provided (1m length) The controller board without a screen is also available; however, a 4.3", 5" or 7" SSD1963 LCD panel is required and instructions on David Crocker's PanelDue blog must be follo...

Marca: Duet3D
SKU: 19240015

Duet3D PanelDue Integrated 5''

PanelDue is a color touchscreen controller for Duet and other 3dprinting electronic devices that support it. The controller board and firmware support 3 screen sizes: 4.3", 5" and 7", at two resolutions: 480 × 272 (4.3" display) or 800 × 480 pixels (5 and 7" display). a lower resolution of the 4.3" display means that not as much information can be displayed on the screen, e.g. a maximum of 4 extruders, as shown in the figure. We now provide the 7-inch LCD and PanelDue as an integrated unit: the PanelDue 7i. 5V power supply from the host 3D printer controller. Asynchronous 2-wire serial interface with 3.3V signal level (5V input tolerant). Connections to the integrated micro SD card socket and PanelDue serial and power connections are all available via a 10-way ribbon cable. A 300mm long ribbon cable (maximum recommended length) is available as an option to add to your order. 4-Wire cable to connect PanelDue to the controller board for serial and power connections. This cable is provided (1m length) The controller board without a screen is also available; however, a 4.3", 5" or 7" SSD1963 LCD panel is required and instructions on David Crocker's PanelDue blog must be followed. Ther...

Marca: Duet3D
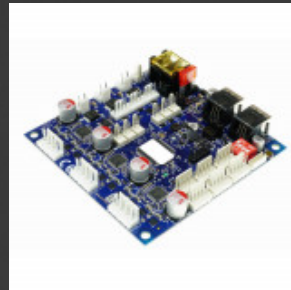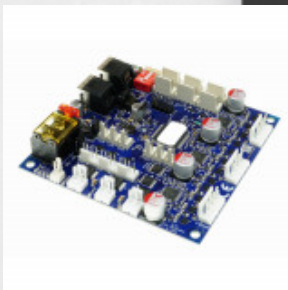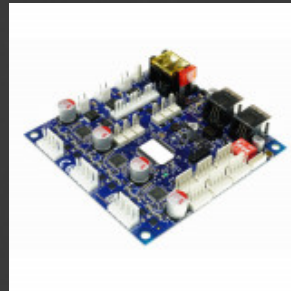SKU: 19240017

Duet 3 Mainboard 6HC

Marca: Duet3D
SKU: 19240004

The Duet 3 motherboard is a next generation controller board that builds on Duet3D's experience in developing the most flexible and expandable 3d printer control solutions. It is the core of the Duet 3 family that provides control for a wide range of machines including 3D printers, CNC, lasers and more. The overall goal of the Duet 3 series is to allow maximum flexibility in machine design through main boards, expansion boards, smart tool boards and custom expansion modules. Configuration flexibility and advanced features are enabled by our innovative RepRapFirmware 3 running on the Duet 3 motherboard and DuetSoftwareFramework running on a single board computer. Here are the main features at a glance: - Powerful 32-bit processor (ARM Cortex M7 @ 300Mhz) - Dedicated high-speed bus to a single-board computer (e.g. Raspberry Pi) for user interface and plug-ins - 6 next-generation Trinamic 5160 stepper drivers with speeds up to 4.45 A RMS, 6.3 A peak with firmware control of the full feature set, including up to 256 microstepping, StallGuard 2 and StealthChop2 - 2 CAN-FD buses supporting the next generation of Duet3D expansion boards, smart tools and custom add-ons. initial target is support for expansion boards up to 8 x 3 channels (additional 24 stepper channels). - 10 PWM outputs with variable current capability support a high current hot plate, 3 extruders and 6 fans. - 9 IO ports for terminals, probes, filament monitors and other sensors. - 4 thermistor / PT1000 inputs and support for 4 PT100 / thermocouple inputs via optional motherboards. - Connect via PC, tablet or smartphone on the same network to the built-in w...

Duet 3 Expansion 3HC

Marca: Duet3D
SKU: 19240003

The Duet3 Expansion 3HC board is a high-current, full-featured connected CAN-FD expansion board for the Duet 3 motherboard. The Duet 3 family provides control of a wide range of machines, including 3D printers, CNCs, lasers and more, building on Duet3D's experience in developing the most configurable and adaptable 3d printer control solutions. The overall goal of the Duet 3 series is to allow maximum flexibility in machine design through main boards, expansion boards, toolboards and custom expansion modules. Here are the main features at a glance: - Dedicated 32-bit processor (ARM Cortex M4F at 120 Mhz) - CAN-FD bus connection to the Duet 3 motherboard. This allows many expansion cards to be connected. Initial goal is to support expansion cards up to 8 x 3 channels (another 24 stepper channels). - 3 new generation Trinamic 5160 stepper drivers with speeds up to 4.45A RMS, 6.3A peak with firmware control of the full feature set, including up to 256 microstepping, StallGuard 2 and StealthChop 2 - 9 PWM outputs with variable current capability to support, for example, 3 extruders and 6 fans. - 6 IO ports for terminals, probes, filament monitors and other sensors. - 3 thermistor / PT1000 inputs and support for 4 PT100 / thermocouple inputs via optional daughterboards. - Support for a wide range of Z probes including the DC42 IR Z probe and Duet3D Smart Effector for delta printers. The standard Duet 3 Expansion Board 3HC sales package includes a connector package with a complete set of housings and terminals. It does not include the CAN-FD cable. It is recommended that you purchase an "RJ11 to RJ11 High Speed Broadband A...
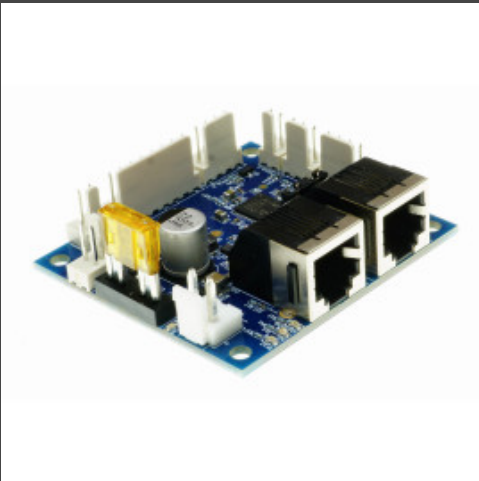
Duet 3 Expansion 1HCL

Marca: Duet3D
SKU: 19240030

Duet 3 Expansion 1HCL is an expansion board connected via CAN-FD and is designed to provide a high-current stepper motor driver combined with multiple position feedback (encoder) interfaces. It has a number of peripheral inputs and outputs for functions such as motor temperature sensing, brake control, and axis stop. It connects to the Duet 3 CAN-FD network using RJ11 connectors (the same as on the Duet 3 6HC motherboard, Duet 3 expansion boards, and axis distribution board). Multiple 1HCL boards can be cascaded on the same channel, with power (up to 48V) supplied locally. This allows very large machines to be built without significant wiring load and signal integrity issues. Here are the main features at a glance: - ARM Cortex-M4F microcontroller running at 120MHz. - An advanced TMC2160A stepper driver: SPI control, can be run in open or closed loop mode. Maximum motor current 6.3A peak per phase (4.45A RMS). - Two medium current outputs (recommended 2.5A maximum) at VIN or VBRAKE voltage with PWM capability - Two 3.3V level outputs with PWM capability (3mA maximum) - Two digital inputs - One thermistor/PT1000 input - 12 to 48V power supply input - 12V, 5V and 3.3V regulators - C...
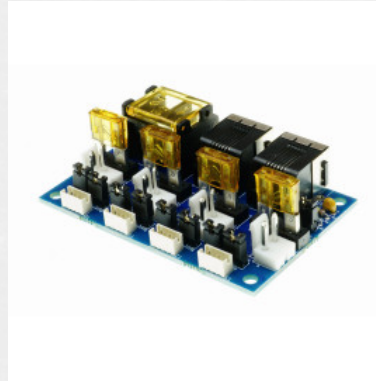
Duet 3 Expansion 1XD

Marca: Duet3D
SKU: 19240023

Duet 3 Expansion 1XD is a CAN-FD connected expansion board for the Duet 3 motherboard that provides connection to an external stepper driver and associated peripherals. It has standard RJ11 connectors for CAN-FD bus connection and accepts up to 48 V to allow sharing of stepper driver power supplies up to 48 V Here is a summary of the main functions: - 48 MHz ARM Cortex M0+ processor - 5V Step, Dir and Enable outputs for an external stepper driver (can be used in differential or single ended mode) - Two medium current outputs (2A max recommended) at VIN voltage with PWM capability and built-in flyback diodes - One 5V output with PWM capability (3 mA max) - Three digital inputs with permanent 27K pullup resistors, protected against overvoltage. - One thermistor input (reduced accuracy compared to other Duet 3 boards, so PT1000 sensors are not recommended). - RJ11 CAN In and CAN Out connectors for connection to Duet 3 CAN-FD bus - VIN: 12V-48V

Duet 3 Tool Distribution Board

Marca: Duet3D - SKU: 19240005

This board allows up to 4 Toolboard 1LC Duet 3 boards to be simultaneously connected to the Duet 3 motherboard, greatly simplifying CAN-FD bus and power wiring. In brief: 2-way screw terminal block for power supply. Four 2-way JST VH connectors for Toolboard power supply, each channel has a dedicated 5A fuse Two RJ11 connectors for CAN bus input/output for connection to Duet 3 main board and expansion boards. Four 4-pin JST ZH connectors to connect the CAN...

Duet 3 Toolboard 1LC

Marca: Duet3D - SKU: 19240006

Duet 3 Toolboard is an expansion board with CAN-FD connection for the Duet 3 motherboard designed to provide full control for an additional extruder. The stepper motor, heater, temperature sensor, fans, Z-probe and filament monitor sensor can be connected to the 1LC Toolboard. In this way, only the CAN-FD and power cables return to the Duet3 motherboard (or Tool Distribution Board). Here are the main features at a glance - ARM Cortex M0+ processor running...

Duet3D MAX31855 Thermocouple daughterboard for Duet
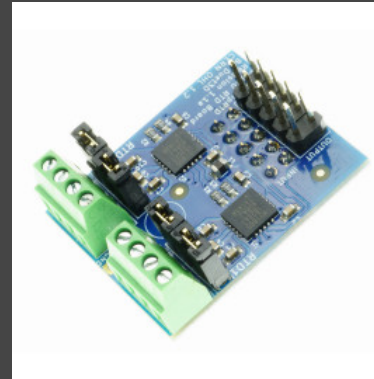

Marca: Duet3D - SKU: 19240014

This is a specially designed daughter board for DuetWifi and DuetEthernet that allows you to connect two MAX31855 thermocouple sensors. This is a specially designed daughter board for DuetWifi and DuetEthernet that allows you to connect two K-type thermocouples. This board is based on the MAX31855 chip, so only Type K thermocouples are supported. DuetWifi and DuetEthernet support up to two daughter boards, with two more on a Duex2 or Duex5 expansion boar...

Duet3D PT100 daughterboard for Duet Wifi

Marca: Duet3D - SKU: 19240019

This is a specially designed daughter card for DuetWifi and DuetEthernet that allows two PT100 temperature sensors to be connected. DuetWifi and DuetEthernet support up to two daughter cards, with two more on a Duex2 or Duex5 expansion board, with 4 daughter cards for a total of 8 PT100 sensors supported. Thermocouple and PT100 daughter cards can be combined and matched. We also provide PT100 temperature sensors with e3d housing and V6 / Lite compatible ...

Duet 3 Mini 5+ Ethernet

Marca: Duet3D
SKU: 19240025

Duet 3 Mini 5+ balances value and performance, it is a board designed for small to medium sized machines that do not need the high power output of the Duet 3 Mainboard 6HC. It provides 5 motor drivers and the normal complement of heaters, fans, IO, LCD, etc. Two Wifi and Ethernet variants are available, with the ability to use an SBC (Single Board Computer, e.g. Raspberry Pi) for control in the same manner as other Duet 3 motherboards. The overall goal of the Duet 3 series is to allow maximum machine design flexibility through highly efficient main boards, expansion boards and custom expansion modules. Configuration flexibility and advanced functionality is enabled by our innovative RepRapFirmware 3 running on the Duet 3 motherboard and our custom DuetSoftwareFramework running on a computer. Here are the main features at a glance: - Powerful 32-bit processor (ARM Cortex M4 at 120 Mhz). - Two Wifi and Ethernet versions available - Dedicated high speed bus for communication with a computer (e.g. Raspberry Pi) for user interface and plug-ins - 5 Trinamic 2209 stepper drivers running up to 1.4 A RMS, 2 A peak with firmware control of the full feature set including up to 256 microstepping, StallGuard 2 and StealthChop2 - CAN-FD bus supporting the next generation of Duet3D expansion cards, smart tools and custom add-ons. - 7 PWM outputs of different current capabilities support a high current heated bed, 2 extruders and 4 fans. - 7 IO ports for limit switches, probes, filament sensors and other sensors. - 3 thermistor / PT1000 inputs and support for 2 PT100 or thermocouple inputs via optional expansions. - Configure the pr...
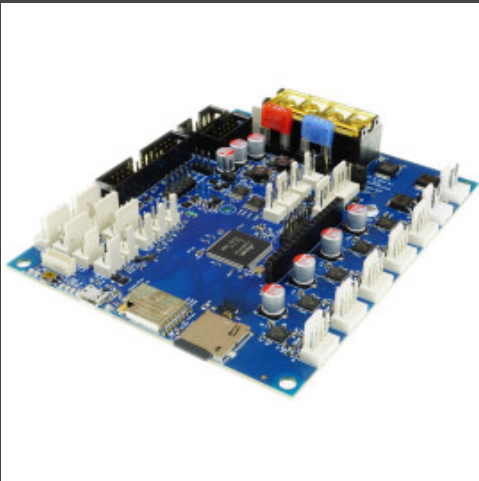
Duet 3 Expansion Mini 2+

Duet 3 Expansion Mini 2+ is an expansion designed specifically for Duet 3 Mini 5+. This expansion could be used with other motherboards but is not supported. This expansion provides 2 TMC 2209 stepper motor drivers with the same configuration as the 5 found on the Duet 3 Mini 5+: - 2 Trinamic 2209 stepper drivers running up to 1.4 A RMS, 2 A peak with firmware control of the full feature set including up to 256 microstepping, StallGuard 2 and StealthChop2 - installs directly to the Duet 3 Mini 5+

Marca: Duet3D
SKU: 19240026

Duet 3 Mini 5+ Wifi

Duet 3 Mini 5+ balances value and performance, it is a board designed for small to medium sized machines that do not need the high power output of the Duet 3 Mainboard 6HC. It provides 5 motor drivers and the normal complement of heaters, fans, IO, LCD, etc. Two Wifi and Ethernet variants are available, with the ability to use an SBC (Single Board Computer, e.g. Raspberry Pi) for control in the same manner as other Duet 3 motherboards. The overall goal of the Duet 3 series is to allow maximum machine design flexibility through highly efficient main boards, expansion boards and custom expansion modules. Configuration flexibility and advanced functionality is enabled by our innovative RepRapFirmware 3 running on the Duet 3 motherboard and our custom DuetSoftwareFramework running on a computer. Here are the main features at a glance: - Powerful 32-bit processor (ARM Cortex M4 at 120 Mhz). - Two Wifi and Ethernet versions available - Dedicated high speed bus for communication with a computer (e.g. Raspberry Pi) for user interface and plug-ins - 5 Trinamic 2209 stepper drivers running up to 1.4 A RMS, 2 A peak with firmware control of the full feature set including up to 256 microstepp...

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