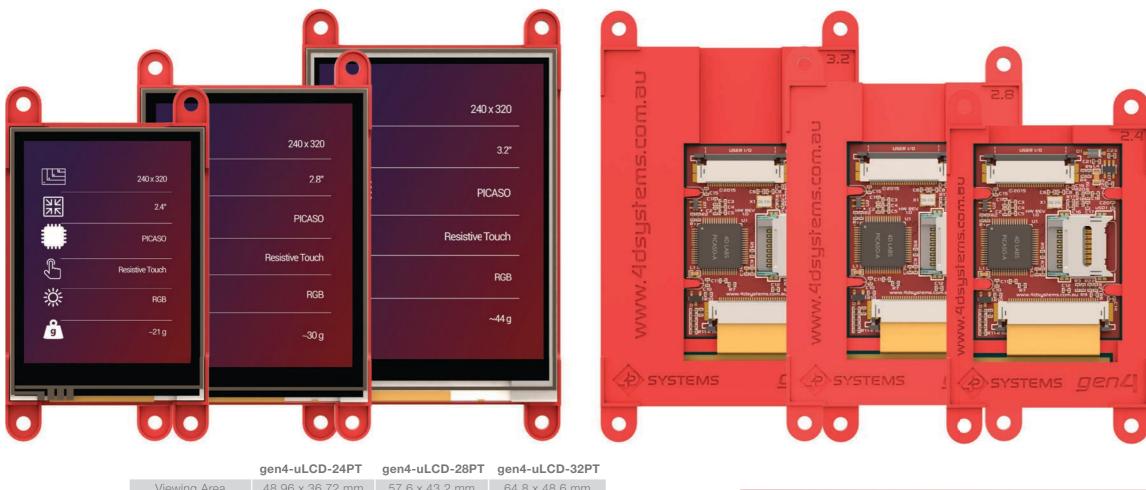
gend Picaso Series

Intelligent Dispay Modules with Embedded Picaso Processor



	gen4-uLCD-24PT	gen4-uLCD-28PT	gen4-uLCD-32PT
Viewing Area	48.96 x 36.72 mm	57.6 x 43.2 mm	64.8 x 48.6 mm
Module Width	44.8 mm	52.1 mm	57.1 mm
Module Height	78.4 mm	87.3 mm	95.7 mm
Module Depth	7.2 mm	7.3 mm	7.5 mm



with male-to-male adaptor

▶ Welcome Leaflet



SK-gen4-24/28/32PT

- gen4 Display Module
 gen4 Interface Board
- gen4 Interface Board
 gen4 Programming Adaptor
- 4GB microSD Card
- 30-way 150mm FFC Cable
 - ▶ 5-way female-to-female Ribbon Cable
 - with male-to-male adaptor
 - Welcome Leaflet

Features

- Intelligent LCD-TFT display module powered by the Picaso Processor.
- ▶ 14KB of Flash memory for User Application Code and Data.
- ▶ 14KB of SRAM for user variables, or 14KB shared user code and program variables.
- 2 x Asynchronous hardware serial ports (COM0, COM1), TTL interface, with 300 to 600K baud.
- ▶ 1 x I2C interface (Master).
- ▶ 8 x 16 bit timers with 1 millisecond resolution.
- ► 13 x General Purpose I/O pins. Supports fast 8-bit parallel data transfer through Upper 8 bits.
- ▶ 30pin FPC connection, for all signals, power, communications, GPIO and programming.
- On-board latch type micro-SD memory card connector for multimedia storage and data logging purposes.



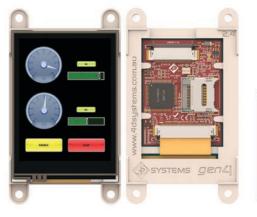
The gen4 Picaso displays are part of the latest gen4 series of HMI display modules designed and manufactured by 4D Systems.

The gen4 series was designed specifically for ease of integration and use, with careful consideration for space requirements and functionality.

The Picaso series of modules are available in 2.4", 2.8" or 3.2" full colour, 240x320 resolution TFT LCD display with resistive touch. They are powered by the well-known 4D Systems' Picaso Graphics Processor, offering an array of functionality and options for any Designer/ Integrator/User.

- DOS compatible file access (FAT16 format) as well as low level access to card memory.
- Dedicated PWM Audio pin driven by WAV files from micro-SD card, and for sound generation, for an external amplifier.
- Built in extensive 4DGL graphics and system library functions.
- Display full colour images, animations, icons and video clips.
- ► Supports all available Windows fonts.
- ▶ 4.0V to 5.5V range operation (single supply).
- ► 4x mounting tabs with 3.2mm holes for mechanical mounting using M3 screws.
- ▶ RoHS and REACH compliant.
- CE Compliant please ask for CE declarations from our Support Team.

2.4" Diablo16 Intelligent Display Modules



Resistive Touch Non-Touch



Capacitive Touch with Cover Glass ▶ Non-Touch with Cover Glass



Starter kits

Product Specifications					
Resolution	240 x 320 Pixels			Display Viewing Area	48.96 x 36.72 mm
	D	~228 cd/m2		Lithium Charger	No
Brightness (Typical)	D-CLB	~221 cd/m2		8 Bit Parallel Transfer	Yes
	DT	~182 cd/m2		Supply Voltage (VCC) (TYP)	5.0V DC
Supply Current (ICC) (TVD)	D / D-CLB	~150mA **		Flash	6 banks of 32KB
Supply Current (ICC) (TYP)	DT	~160mA **		RAM	32KB SRAM
Controller	DIABLO16 RGB 65K 1220K Pixels / second 9.3 FPS			12C	3 Channels Available
Colours				GPIO	16 x GPIO
Processor Capability				SPI	3 channels available
Frame Rate				IDE	4D Workshop4 IDE
Tauah	D: Non-Touch			Serial Speed	300 to 2187500 baud
Touch	D-CLB: Non-Touch w/ Cover Lens Bezel DT: Resistive Touch			Serial Interface(s)	1 x dedicated and 3 x configurable
Storage Temperature	-30°C to +80°C				SPI Flash, CRC, Pin Counter, Quandrature
Operating Ambient	-20°C	-20°C to 70°C		Additional Features	Input, Pulse Out **
Temperature SD Card Slot	YES				PWM Out Functions, Dallas 1-wire Support, Neopixel Support **

* Not all configurable I/O features for use at the same time. Please refer to the relevant Datasheet.

** Current at 5V dependant on display usage, colours displayed, SD card usage and brand, and processor calculations.

AVAILABLE IN:

gen4-uLCD-24D	2.4", slim Intelligent Display Module with embedded DIABLO16 processor and gen4-IB
gen4-uLCD-24D-CLB	2.4", slim Intelligent Display Module with embedded DIABLO16 processor with Cover Lens Bezel and gen4-IB
gen4-uLCD-24DT	2.4", slim Intelligent Display Module with embedded DIABLO16 processor and Resistive Touch panel and gen4-IB

Starter Kits for gen4-uLCD-24D Series Display Modules

SK-gen4-24D	Starter Kit for gen4-uLCD-24D with uSD-4GB, gen4-IB, gen4-PA, 150mm FFC Cable and 5-way cable with the gen4-uLCD-24D Display Module
SK-gen4-24D-CLB	Starter Kit for gen4-uLCD-24D-CLB, uSD-4GB, gen4-IB, gen4-PA, 150mm FFC Cable and 5-way cable with the gen4-uLCD-24D-CLB Display Module
SK-gen4-24DT	Starter Kit for gen4-uLCD-24DT with uSD-4GB, gen4-IB, gen4-PA, 150mm FFC Cable and 5-way cable with the gen4-uLCD-24DT Display Module

2.4" HMI Modules for Arduino



Capacitive Touch with Cover Glass Non-Touch with Cover Glass

AVAILABLE IN:

Non-Touch

	Includes gen4-uLCD-24D, 4D Arduino Adaptor S
gen4-uLCD-24D-AR	cable with male-to-male adaptor
gen4-uLCD-24DT-AR	Includes gen4-uLCD-24DT, 4D Arduino Adaptor S
	ribbon cable with male-to-male adaptor
gen4-uLCD-24D-CLB-AR	Includes gen4-uLCD-24D-CLB, 4D Arduino Adap
gen4-uLOD-24D-OLD-AN	ribbon cable with male-to-male adaptor

2.4" HMI Modules for Raspberry Pi





Capacitive Touch with Cover Glass ▶ Non-Touch with Cover Glass

AVAILABLE IN:

	gen4-uLCD-24D-PI	Includes gen4-uLCD-24D, 4D Serial Pi Adaptor, g
	gen4-ulod-24D-F1	with male-to-male adaptor
		Includes gen4-uLCD-24DT, 4D Serial Pi Adaptor, g
	gen4-uLCD-24DT-PI	with male-to-male adaptor
gen4-uLC	gen4-uLCD-24D-CLB-PI	Includes gen4-uLCD-24D-CLB, 4D Serial Pi Adap
	98114-0L0D-24D-0LB-P1	cable with male-to-male adaptor





Starter kits

Shield-II, gen4-IB,150 mm FFC Cable, 5-way female-to-female ribbon

Shield-II, gen4-IB,150 mm FFC Cable, 5-way female-to-female

aptor Shield-II, gen4-IB, 50 mm FFC Cable, 5-way female-to-female



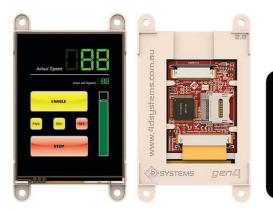
Starter kits

gen4-IB,150 mm FFC Cable, 5-way female-to-female ribbon cable

gen4-IB,150 mm FFC Cable, 5-way female-to-female ribbon cable

ptor, gen4-IB,150 mm FFC Cable, 5-way female-to-female ribbon

2.8" Diablo16 Intelligent Display Modules



Resistive Touch Non-Touch





▶ Capacitive Touch with Cover Glass Non-Touch with Cover Glass

Starter kits

Product Specifications					
Resolution	240 x 320 Pixels			Display Viewing Area	57.60 x 43.20 mm
	D	~175 cd/m2		Lithium Charger	No
Brightness (Typical)	D-CLB	170 cd/m2		8 Bit Parallel Transfer	Yes
	DT	~140 cd/m2		Supply Voltage (VCC) (TYP)	5.0V DC
Supply Current (ICC) (TYP)		~155mA ** 65mA **		Flash	6 banks of 32KB
Controller	DIABLO16			RAM	32KB SRAM
Colours	RGB 65K			12C	3 channels available
Processor Capability	1220K Pixels / second 9.3 FPS			GPIO	16 x GPIO
Frame Rate				SPI	3 channels available
	D: Non-Touch D-CLB: Non-Touch w/ Cover Lens Bezel DT: Resistive Touch			IDE	4D Workshop4 IDE
Touch				Serial Speed	300 to 2187500 baud
				Serial Interface(s)	1 x dedicated and 3 x configurable
Storage Temperature	-30°C to +80°C				SPI Flash, CRC, Pin Counter, Quandrature
Operating Ambient Temperature	-20°C	-20°C to 70°C		Additional Features	Input, Pulse Out **
SD Card Slot YES				PWM Out Functions, Dallas 1-wire Support, Neopixel Support **	

* Not all configurable I/O features for use at the same time. Please refer to the relevant Datasheet.

** Current at 5V dependant on display usage, colours displayed, SD card usage and brand, and processor calculations.

AVAILABLE IN:

gen4-uLCD-28D	2.8", Intelligent non-touch Display Module with embedded DIABLO16 processor, gen4-IB Adaptor and 30 way FFC Cable
gen4-uLCD-28D-CLB	2.8", Intelligent non-touch Display Module featuring a Cover Lens Bezel and embedded DIABLO16 processor, gen4-IB Adaptor and 30 way FFC Cable
gen4-uLCD-28DT	2.8", Intelligent resistive-touch Display Module with embedded DIABLO16 processor, gen4-IB Adaptor and 30 way FFC Cable

Starter Kits for gen4-uLCD-28D Series Display Modules

SK-gen4-28D	Starter Kit for gen4-uLCD-28D with uSD-4GB, gen4-IB, gen4-PA, 150mm FFC Cable and 5-way cable			
SK-gen4-28D-CLB	Starter Kit for gen4-uLCD-28D-CLB with uSD-4GB, gen4-IB, gen4-PA, 150mm FFC Cable and 5-way cable			
SK-gen4-28DT	Starter Kit for gen4-uLCD-28DT with uSD-4GB, gen4-IB, gen4-PA, 150mm FFC Cable and 5-way cable			

2.8" HMI Modules for Arduino





► Capacitive Touch with Cover Glass Non-Touch with Cover Glass

AVAILABLE IN:

gen4-uLCD-28D-AR	Includes gen4-uLCD-28D, 4D Arduino Adaptor Sh
	ribbon cable with male-to-male adaptor
gen4-uLCD-28DT-AR	Includes gen4-uLCD-28DT, 4D Arduino Adaptor S
gen4-uLOD-20D1-AN	ribbon cable with male-to-male adaptor
	Includes gen4-uLCD-28D-CLB, 4D Arduino Adapt
gen4-uLCD-28D-CLB-AR	ribbon cable with male-to-male adaptor

2.8" HMI Modules for Raspberry Pi





Capacitive Touch with Cover Glass ▶ Non-Touch with Cover Glass

AVAILABLE IN:

Non-Touch

ge	gen4-uLCD-28D-Pl	Includes gen4-uLCD-28D, 4D Serial Pi Adaptor, ge
	gen4-uLOD-20D-FT	with male-to-male adaptor
gen4-uLCD-28DT-PI gen4-uLCD-28D-CLB-PI		Includes gen4-uLCD-28DT, 4D Serial Pi Adaptor, g
	gen4-uLGD-26D1-P1	with male-to-male adaptor
		Includes gen4-uLCD-28D-CLB, 4D Serial Pi Adap
	gen4-uLCD-20D-CLB-PI	cable with male-to-male adaptor





Starter kits

Shield-II, gen4-IB, 150 mm FFC Cable, 5-way female-to-female

Shield-II, gen4-IB, 150 mm FFC Cable, 5-way female-to-female

otor Shield-II, gen4-IB, 150 mm FFC Cable, 5-way female-to-female



Starter kits

gen4-IB, 150 mm FFC Cable, 5-way female-to-female ribbon cable gen4-IB, 150 mm FFC Cable, 5-way female-to-female ribbon cable otor, gen4-IB, 150 mm FFC Cable, 5-way female-to-female ribbon

3.2" Diablo16 Intelligent Display Modules



Resistive Touch Non-Touch



Capacitive Touch with Cover Glass

▶ Non-Touch with Cover Glass



Starter kits

Product Specifications						
Resolution	240 x 320 Pixels			SD Card Slot	YES	
	D	~200cd/m2		Display Viewing Area	64.80 x 48.60 mm	
Dwightness (Typical)	D-CLB	~194 cd/m2		Lithium Charger	No	
Brightness (Typical)	DT	~160 cd/m2		8 Bit Parallel Transfer	Yes	
	DCT CLB	~190 cd/m2		Supply Voltage (VCC) (TYP)	5.0V DC	
Supply Current (ICC) (TYP)	D / D-CLB / DT	~165mA **		Flash	6 banks of 32KB	
	DCT-CLB	~170mA **		RAM	32KB SRAM	
Controller	DIABLO16			12C	3 channels available	
Colours RGB 65K			GPIO	16 x GPIO		
Processor Capability	pability 1220K Pixels / second			SPI	3 channels available	
Frame Rate	9.3	FPS		IDE	4D Workshop4 IDE	
Touch	D : Non-Touch D-CLB : Non-Touch w/ Cover Lens Bezel DT : Resistive Touch			Serial Speed	300 to 2187500 baud	
				Serial Interface(s)	1 x dedicated and 3 x configurable	
Storage Temperature	DCT-CLB: Capacitive w/ Cover Lens Bezel -30°C to +80°C			Additional Features	SPI Flash, CRC, Pin Counter, Quandrature Input, Pulse Out **	
Operating Ambient Temperature					PWM Out Functions, Dallas 1-wire Support, Neopixel Support **	
	Brightness (Typical) Supply Current (ICC) (TYP) Controller Colours Processor Capability Frame Rate Touch Storage Temperature Operating Ambient	Brightness (Typical) D D-CLB DT DCT CLB DCT CLB Supply Current (ICC) (TYP) D/D-CLB/DT Controller D/D-CLB/DT Colours RGE Processor Capability 1220K Pixe Frame Rate 9.3 D: Non-Touc D-CLB: Non-Touc D: Non-Touc D: CLB: Non-Touc D: CLB: Non-Touc D: CLB: Non-Touc D: Non-Touc D: CLB: Non-Touc D: Non-Touc D: CLB: Non-Touc D: Non-Touc D: Non-Touc D: Non-Tou	Resolution 240 x 3∪ Pixels D ~200cd/m2 Brightness (Typical) D-CLB ~194 cd/m2 DT ~160 cd/m2 DCT CLB ~190 cd/m2 Brightness (Typical) D/D-CLB / DT OCT CLB ~190 cd/m2 Brightness (Typical) D/D-CLB / DT Brightness (TYPICH) D/D-CLB / DT DCT CLB ~100 cd/m2 Brightness (TYPICH) D/D-CLB / DT Controller DIABLOTA Processor Capability I220K Pixels / second Frame Rate 9.3 FPS Touch D: Non-Touch w/ Cover Lens Bezel DT: Resistive Tuch DCT-CLB : Non-Touch w/ Cover Lens Bezel DT: Resistive Tuch DCT-CLB: Capacitive w/ Cover Lens Bezel Storage Temperature -30°C tu 70°C	Resolution240 x 320 PixelsBrightness (Typical)D~200cd/m2D-CLB~194 cd/m2DTDT~160 cd/m2DT~160 cd/m2DCT CLB~190 cd/m2DD/D-CLB / DT~165mA **DCT-CLB~170mA **DCT-CLB~170mA **ControllerDIABLO16ColoursRGB 65KProcessor Capability1220K Pixels / secondFrame Rate9.3 FPSD: Non-TouchD-CLB : Non-Touch w/ Cover Lens Bezel DT : Resistive Touch DCT-CLB : Capacitive w/ Cover Lens Bezel DT : Resistive Touch DCT-CLB : Capacitive w/ Cover Lens Bezel DT : Resistive Touch DCT-CLB : Capacitive w/ Cover Lens Bezel DT : Resistive Touch DCT-CLB : Capacitive w/ Cover Lens Bezel DT : Resistive Touch DCT-CLB : Capacitive w/ Cover Lens Bezel DT : Resistive Touch DCT-CLB : Capacitive w/ Cover Lens Bezel DT : Resistive Touch DCT-CLB : Capacitive w/ Cover Lens Bezel DT : Resistive Touch DCT-CLB : Capacitive w/ Cover Lens Bezel DT : Resistive Touch DCT-CLB : Capacitive w/ Cover Lens Bezel 	Resolution 240 x 32∪ Pixels SD SD Card Slot Brightness (Typical) D ~200cd/m2 Display Viewing Area D-CLB ~194 cd/m2 Lithium Charger DT ~160 cd/m2 8 Bit Parallel Transfer Supply Current (ICC) (TYP) D/ D-CLB / DT ~165mA** DCT-CLB ~170mA** Flash Controller DIABL016 I2C Processor Capability 1220K Pixels / second SPI Frame Rate 9.3 FPS OP - CLB : Non-Touch DCT-CLB : Non-Touch DCOVER Lens Bezel Serial Speed Dr : Resistive Touch DCT-CLB : Cover Lens Bezel Serial Interface(s) Storage Temperature -30°C to +80°C Additional Features	

* Not all configurable I/O features for use at the same time. Please refer to the relevant Datasheet.

** Current at 5V dependant on display usage, colours displayed, SD card usage and brand, and processor calculations.

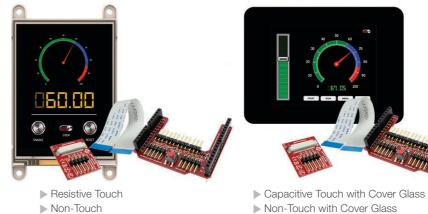
AVAILABLE IN:

gen4-uLCD-32D	3.2", Intelligent non-touch Display Module with embedded DIABLO16 processor with gen4-IB Adaptor and 30 way FFC Cable
gen4-uLCD-32DT	3.2", Intelligent resistive-touch Display Module with embedded DIABLO16 processor with gen4-IB Adaptor and 30 way FFC Cable
gen4-uLCD-32D-CLB	3.2", Intelligent non-touch Display Module with Cover Lens Bezel and embedded DIABL016 processor with gen4-IB Adaptor and 30 way FFC Cable
gen4-uLCD-32DCT-CLB	3.2", Intelligent capacitive-touch Display Module with Cover Lens Bezel and embedded DIABLO16 processor with gen4-IB Adaptor and 30 way FFC Cable

Starter Kits for gen4-uLCD-32D Series Display Modules

SK-gen4-uLCD-32D	Starter Kit for gen4-uLCD-32D with uSD-4GB, gen4-IB, gen4-PA, 150mm FFC Cable and 5-way cable with the gen4-uLCD-32D Display Module
SK-gen4-uLCD-32DT	Starter Kit for gen4-uLCD-32DT with uSD-4GB, gen4-IB, gen4-PA, 150mm FFC Cable and 5-way cable with the gen4-uLCD-32DT Display Module
SK-gen4-uLCD-32D-CLB	Starter Kit for gen4-uLCD-32D-CLB with uSD-4GB, gen4-IB, gen4-PA, 150mm FFC Cable and 5-way cable with the gen4-uLCD-32D-CLB Display Module
SK-gen4-uLCD-32DCT-CL	3 Starter Kit for gen4-uLCD-32DCT-CLB with uSD-4GB, gen4-IB, gen4-PA, 150mm FFC Cable and 5-way cable

3.2" HMI Modules for Arduino



▶ Non-Touch with Cover Glass

AVAILABLE IN:

ge	gen4-uLCD-32D-AR	Includes gen4-uLCD-32D, 4D Arduino Adaptor S
	gont alob ozb An	ribbon cable with male-to-male adaptor
	gen4-uLCD-32DT-AR	Includes gen4-uLCD-32DT, 4D Arduino Adaptor
	gen4-ulod-3201-An	ribbon cable with male-to-male adaptor
	gen4-uLCD-32D-CLB-AR	Includes gen4-uLCD-32D-CLB, 4D Arduino Ada
		ribbon cable with male-to-male adaptor
		Includes gen4-uLCD-32DCT-CLB, 4D Arduino Ad
	gen4-uLCD-32DCT-CLB-AR	male ribbon cable with male-to-male adaptor

3.2" HMI Modules for Raspberry Pi





Capacitive Touch with Cover Glass Non-Touch with Cover Glass

AVAILABLE IN:

Non-Touch

	gen4-uLCD-32D-PI	Includes gen4-uLCD-32D, 4D Serial Pi Adaptor, ge
	gen4-uLOD-32D-FT	with male-to-male adaptor
	gen4-uLCD-32DT-PI	Includes gen4-uLCD-32DT, 4D Serial Pi Adaptor, g with male-to-male adaptor
	gen4-uLCD-32D-CLB-PI	Includes gen4-uLCD-32D-CLB, 4D Serial Pi Adapte
	gone deod ozd oed in	cable with male-to-male adaptor
	gen4-uLCD-32DCT-CLB-PI	Includes gen4-uLCD-32DCT-CLB, 4D Serial Pi Ada cable with male-to-male adaptor





Starter kits

Shield-II, gen4-IB, 150 mm FFC Cable, 5-way female-to-female

Shield-II, gen4-IB, 150 mm FFC Cable, 5-way female-to-female

aptor Shield-II, gen4-IB, 150 mm FFC Cable, 5-way female-to-female

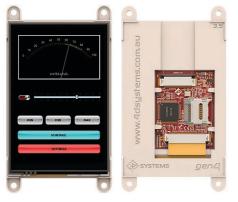
Adaptor Shield-II, gen4-IB, 150 mm FFC Cable, 5-way female-to-fe-



Starter kits

en4-IB, 150 mm FFC Cable, 5-way female-to-female ribbon cable gen4-IB, 150 mm FFC Cable, 5-way female-to-female ribbon cable tor, gen4-IB, 150 mm FFC Cable, 5-way female-to-female ribbon daptor, gen4-IB, 150 mm FFC Cable, 5-way female-to-female ribbon

3.5" Diablo16 Intelligent Display Modules



Resistive Touch Non-Touch







Starter kits

	Product Specifications					
Resolution	320 x 480 Pixels			SD Card Slot	YES	
	D	~228cd/m2		Display Viewing Area	73.44 x 48.96 mm	
Duichturgen (Trunical)	D-CLB	~221 cd/m2		Lithium Charger	No	
Brightness (Typical)	DT	~182 cd/m2		8 Bit Parallel Transfer	Yes	
	DCT CLB	~216 cd/m2		Supply Voltage (VCC) (TYP)	5.0V DC	
	D / D-CLB / DCT-CLB	~175mA **		Flash	6 banks of 32KB	
Supply current (ICC) (TTP)	pply Current (ICC) (TYP) DT ~180mA **			RAM	32KB SRAM	
Controller	DIAB	DIABLO16		12C	3 x Channels	
Colours				GPIO	16 x GPIO	
Processor Capability				SPI	3 channels available	
Frame Rate	7.9	FPS		IDE	4D Workshop4 IDE	
	D : Non-Touc			Serial Speed	300 to 2187500 baud	
Touch	D-CLB : Non-Touch w/ Cover Lens Bezel DT : Resistive Touch				1 x dedicated and 3 x configurable	
	DCT-CLB : Capacitive w/ Cover Lens Bezel				SPI Flash, CRC, Pin Counter, Quandrature	
Storage Temperature	-30°C to +80°C			Additional Features	Input, Pulse Out **	
Operating Ambient Temperature	-20°C to 70°C				PWM Out Functions, Dallas 1-wire Support, Neopixel Support **	

 $^{\ast}~$ Not all configurable I/O features for use at the same time. Please refer to the relevant Datasheet.

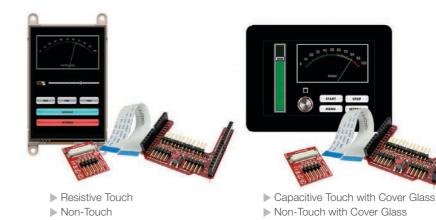
** Current at 5V dependant on display usage, colours displayed, SD card usage and brand, and processor calculations.

AVAILABLE IN:

3.5", Intelligent non-touch Display Module with embedded DIABLO16 processor with gen4-IB Adaptor and 30 way FFC Cable			
3.5", Intelligent resistive-touch Display Module with embedded DIABLO16 processor with a gen4-IB Adaptor and 30 way FFC Cable			
3.5", Intelligent non-touch Display Module with a Cover Lens Bezel and embedded DIABLO16 processor with gen4-IB Adaptor and 30 way FFC Cable			
3.5", Intelligent capacitive-touch Display Module with a Cover Lens Bezel and embedded DIABLO16 processor with gen4-IB Adaptor and 30 way FFC Cable			
Starter Kits for gen4-uLCD-35D Series Display Modules			
Starter Kits for gene-ucob-sob series Display modules			

SK-gen4-uLCD-35D	Starter Kit for gen4-uLCD-35D with uSD-4GB, gen4-IB, gen4-PA, 150mm FFC Cable and 5-way cable
SK-gen4-uLCD-35DT	Starter Kit for gen4-uLCD-35DT with uSD-4GB, gen4-IB, gen4-PA, 150mm FFC Cable and 5-way cable with the gen4-uLCD-35DT Display Module
SK-gen4-uLCD-35D-CLB	Starter Kit for gen4-uLCD-35D-CLB with uSD-4GB, gen4-IB, gen4-PA, 150mm FFC Cable and 5-way cable
SK-gen4-uLCD-35DCT-CLB	Starter Kit for gen4-uLCD-35DCT-CLB with uSD-4GB, gen4-IB, gen4-PA, 150mm FFC Cable, 5-way cable with the gen4-uLCD-35DCT-CLB Display Module

3.5" HMI Modules for Arduino



AVAILABLE IN:

(gen4-uLCD-35D-AR	Includes gen4-uLCD-35D-CLB, 4D Arduino Adap
	gen4-ulod-350-Ah	ribbon cable with male-to-male adaptor
gen4	gen4-uLCD-35DT-AR	Includes gen4-uLCD-35DT, 4D Arduino Adaptor S
	gen4-ulod-3501-An	ribbon cable with male-to-male adaptor
	gen4-uLCD-35D-CLB-AR	Includes gen4-uLCD-35D-CLB, 4D Arduino Adap
	gen4-ulod-33D-old-An	ribbon cable with male-to-male adaptor
		Includes gen4-uLCD-35DCT-CLB, 4D Arduino Ad
	gen4-uLCD-35DCT-CLB-AR	male ribbon cable with male-to-male adaptor

3.5" HMI Modules for Raspberry Pi





Resistive Touch Non-Touch

Capacitive Touch with Cover Glass Non-Touch with Cover Glass

AVAILABLE IN:

ge	gen4-uLCD-35D-PI	Includes gen4-uLCD-35D, 4D Serial Pi Adaptor, gen
	gen4-uLOD-35D-FT	with male-to-male adaptor
g	gen4-uLCD-35DT-PI	Includes gen4-uLCD-35DT, 4D Serial Pi Adaptor, ge
	gen4-uLOD-35D1-F1	with male-to-male adaptor
	gen4-uLCD-35D-CLB-PI	Includes gen4-uLCD-35D-CLB, 4D Serial Pi Adapto
		cable with male-to-male adaptor
		Includes gen4-uLCD-35DCT-CLB, 4D Serial Pi Ada
	gen4-uLCD-35DCT-CLB-PI	cable with male-to-male adaptor

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ptor Shield-II, gen4-IB, 150 mm FFC Cable, 5-way female-to-female Shield-II, gen4-IB, 150 mm FFC Cable, 5-way female-to-female ptor Shield-II, gen4-IB, 150 mm FFC Cable, 5-way female-to-female Adaptor Shield-II, gen4-IB, 150 mm FFC Cable, 5-way female-to-fe-

Starter kits

en4-IB, 150 mm FFC Cable, 5-way female-to-female ribbon cable gen4-IB, 150 mm FFC Cable, 5-way female-to-female ribbon cable tor, gen4-IB, 150 mm FFC Cable, 5-way female-to-female ribbon laptor, gen4-IB, 150 mm FFC Cable, 5-way female-to-female ribbon

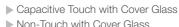
4.3" Diablo16 Intelligent Display Modules



Resistive Touch

Non-Touch







PWM Out Functions, Dallas 1-wire Support,

Neopixel Support **

Non-Touch with Cover Glass

Product Specifications						
Resolution 480 x 272 Pixels				Display Viewing Area	95.04 x 53.86 mm	
	D	~500 cd/m2			D / D-CLB / DT	~310 mA **
	D-CLB	~485 cd/m2		Supply Current (ICC)	DCT-CLB	~315 mA **
	DT	~400 cd/m2		(TYP)	D -SB/ D-CLB-SB / DT-SB	~530 mA **
	DCT-CLB	~475 cd/m2			DCT-CLB-SB	~540 mA **
Brightness (Typical)	SB Version - D	~1020 cd/m2	Supply Voltage		5.0V DC	
	SB Version - D-CLB ~930 cd/m2 Sta		Storage Temperature	-30°C to +80°C		
	SB Version - DT	~825 cd/m2		Operating Ambient Temperature	-20°C to +70°C	
	SB Version - DCT-CLB	~880 cd/m2		Lithium Charger	No	
	D : Non-Touch D-CLB : Non-Touch w/ Cover Lens Bezel DT : Resistive Touch			8 Bit Parallel Transfer	Yes	
				Flash	6 banks of 32KB	
	DCT-CLB : Capacitive touch w/			RAM	32KB of SRAM	
Touch	Cover Lens Bezel		12C	3 x Channels		
Touch	D-SB : Non-Touch, Super Bright Display D-CLB-SB : Non-Touch w/ Cover Lens		GPIO	16 x GPIO		
	Bezel, Super Bright Display			SPI	3 channels available	
	DT-SB : Resistive Touch, Super Bright Display DCT-CLB-SB : Capacitive touch w/ Cover Lens		IDE	4D Workshop4 IDE		
	Bezel, Super Bright Display			Serial Speed	300 to 2187500 baud	
Colours	RGB 65K			Serial Interface(s)	1 x dedicated and 3 x configurable	
Processor Capability	1220K Pixels / second				SPI Flash, CRC, Pin Counter, Quandrature Input, Pulse Out **	
Frame Rate	9.3 FPS			Additional Features		

* Not all configurable I/O features for use at the same time. Please refer to the relevant Datasheet.

** Current at 5V dependant on display usage, colours displayed, SD card usage and brand, and processor calculations.

YES

AVAILABLE IN:

SD Card Slot

gen4-uLCD-43D	4.3", slim Intelligent Display Module with embedded DIABLO16 processor and gen4-IB
gen4-uLCD-43D-CLB	4.3", slim Intelligent Display Module with embedded DIABLO16 processor with non-touch Cover Lens Bezel and gen4-IB
gen4-uLCD-43DT	4.3", slim Intelligent Display Module with embedded DIABLO16 processor and Resistive Touch panel and gen4-IB
gen4-uLCD-43DCT-CLB	4.3", slim Intelligent Display Module with embedded DIABLO16 processor and Capacitive Touch Cover Lens Bezel and gen4-IB
gen4-uLCD-43D-SB	4.3", super bright, slim Intelligent Display Module with embedded DIABLO16 processor and gen4-IB
gen4-uLCD-43D-CLB-SB	4.3", super bright, slim Intelligent Display Module with embedded DIABLO16 processor with non-touch Cover Lens Bezel and gen4-IB
gen4-uLCD-43DT-SB	4.3", super bright, slim Intelligent Display Module with embedded DIABLO16 processor and Resistive Touch panel and gen4-IB
gen4-uLCD-43DCT-CLB-SB	4.3", super bright, slim Intelligent Display Module with embedded DIABLO16 processor and Capacitive Touch Cover Lens Bezel and gen4-IB

4.3" HMI Modules for Arduino





Capacitive Touch with Cover Glass Non-Touch with Cover Glass

AVAILABLE IN:

gen4-uLCD-43D-AR	Includes gen4-uLC
gen4-uLCD-43DT-AR	Includes gen4-uLC
gen4-uLCD-43D-CLB-AR	Includes gen4-uL0
gen4-uLCD-43DCT-CLB-AR	Includes gen4-uL0
gen4-uLCD-43D-SB-AR	Includes gen4-uL0
gen4-uLCD-43DT-SB-AR	Includes gen4-uLC
gen4-uLCD-43D-CLB-SB-AR	Includes gen4-uL0
gen4-uLCD-43DCT-CLB-SB-AR	Includes gen4-uL0

CD-43D, 4D Arduino Adaptor Shield-II, gen4-IB, 150 mm FFC Cable, 5-way female-to-female ribbon cable with male-to-male adaptor .CD-43DT, 4D Arduino Adaptor Shield-II, gen4-IB, 150 mm FFC Cable, 5-way female-to-female ribbon cable with male-to-male adaptor .CD-43D-CLB, 4D Arduino Adaptor Shield-II, gen4-IB, 150 mm FFC Cable, 5-way female-to-female ribbon cable with male-to-male adaptor .CD-43DCT-CLB, 4D Arduino Adaptor Shield-II, gen4-IB, 150 mm FFC Cable, 5-way female-to-female ribbon cable with male-to-male adaptor CD-43D-SB, 4D Arduino Adaptor Shield-II, gen4-IB, 150 mm FFC Cable, 5-way female-to-female ribbon cable with male-to-male adaptor LCD-43DT-SB, 4D Arduino Adaptor Shield-II, gen4-IB, 150 mm FFC Cable, 5-way female-to-female ribbon cable with male-to-male adaptor CD-43D-CLB-SB, 4D Arduino Adaptor Shield-II, gen4-IB, 150 mm FFC Cable, 5-way female-to-female ribbon cable with male-to-male adaptor LCD-43DCT-CLB-SB, 4D Arduino Adaptor Shield-II, gen4-IB,150 mm FFC Cable, 5-way female-to-female ribbon cable with male-to-male adaptor

4.3" HMI Modules for Raspberry Pi



AVAILABLE IN:

gen4-uLCD-43D-PI
gen4-uLCD-43DT-PI
gen4-uLCD-43D-CLB-PI
gen4-uLCD-43DCT-CLB-PI
gen4-uLCD-43D-SB-PI
gen4-uLCD-43DT-SB-PI
gen4-uLCD-43D-CLB-SB-PI
gen4-ul CD-43DCT-Cl B-SB-PL

Includes gen4-uLCD-43D, 4D Serial Pi Adaptor, gen4-IB, 150 mm FFC Cable, 5-way female-to-female ribbon cable with male-to-male adaptor Includes gen4-uLCD-43DT, 4D Serial Pi Adaptor, gen4-IB, 150 mm FFC Cable, 5-way female-to-female ribbon cable with male-to-male adaptor Includes gen4-uLCD-43D-CLB, 4D Serial Pi Adaptor, gen4-IB, 150 mm FFC Cable, 5-way female-to-female ribbon cable with male-to-male adaptor Includes gen4-uLCD-43DCT-CLB, 4D Serial Pi Adaptor, gen4-IB, 150 mm FFC Cable, 5-way female-to-female ribbon cable with male-to-male adaptor Includes gen4-uLCD-43D-SB, 4D Arduino Adaptor Shield-II, gen4-IB, 150 mm FFC Cable, 5-way female-to-female ribbon cable with male-to-male adaptor Includes gen4-uLCD-43DT-SB, 4D Serial Pi Adaptor, gen4-IB, 150 mm FFC Cable, 5-way female-to-female ribbon cable with male-to-male adaptor Includes gen4-uLCD-43D-CLB-SB, 4D Serial Pi Adaptor, gen4-IB, 150 mm FFC Cable, 5-way female-to-female ribbon cable with male-to-male adaptor Includes gen4-uLCD-43DCT-CLB-SB, 4D Serial Pi Adaptor, gen4-IB, 150 mm FFC Cable, 5-way female-to-female ribbon cable with male-to-male adaptor

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Capacitive Touch with Cover Glass

Starter kits

Starter kits

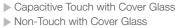
5.0" Diablo16 Intelligent Display Modules



Resistive Touch

Non-Touch







Capacitive Touch with Cover Glass

Product Specifications				
Resolution	800 x 480 Pixels			Display Viewing Area
	D	~500 cd/m2		
	D-CLB	~485 cd/m2		Supply Current (ICC)
	DT	~400 cd/m2		(TYP)
	DCT-CLB	~475 cd/m2		
Brightness (Typical)	SB Version - D	~820 cd/m2		Supply Voltage
	SB Version - D-CLB	~735 cd/m2		Storage Temperature
	SB Version - DT	~650 cd/m2		Operating Ambient
	SB Version - DCT-CLB	~705 cd/m2		Temperature Lithium Charger
	D : Non-Touch			8 Bit Parallel Transfer
	D-CLB : Non-Touch w/ Cover Lens Bezel DT : Resistive Touch			Flash
	DCT-CLB : Capacitive touch w/			RAM
	Cover Lens Bezel			I2C
Touch	D-SB : Non-Touch, Super Bright Display			120
	D-CLB-SB : Non-Touch w/ Cover Lens			GPIO
	Bezel, Super Bright Display			SPI
	DT-SB : Resistive Touch, Super Bright Display DCT-CLB-SB : Capacitive touch w/ Cover Lens			IDE
	Bezel, Super Bright Display			Serial Speed
Colours	RGB 65K			Serial Interface(s)
Processor Capability	1220K Pixels / second			
Frame Rate	3.1 FP	S		Additional Features
SD Card Slot	YES			

Display Viewing Area	108 x 64.80 mm		
	D / D-CLB / DT	~440 mA **	
Supply Current (ICC)	DCT-CLB	~445 mA **	
(TYP)	D -SB/ D-CLB-SB / DT-SB	~600 mA **	
	DCT-CLB-SB	~610 mA **	
Supply Voltage	5.0V D	C	
Storage Temperature	-30°C to +8	80°C	
Operating Ambient Temperature	-20°C to +70°C		
Lithium Charger	No		
8 Bit Parallel Transfer	Yes		
Flash	6 banks of 32KB		
RAM	32KB of SRAM		
I2C	3 x Channels		
GPIO	16 x GPIO		
SPI	3 channels available		
IDE	4D Workshop4 IDE		
Serial Speed	300 to 2187500 baud		
Serial Interface(s)	1 x dedicated and 3 x configurable		
Additional Features	SPI Flash, CRC, Pin Counter, Quandrature Input, Pulse Out **		
Additional realures	PWM Out Functions, Dallas 1-wire Support, Neopixel Support **		

* Not all configurable I/O features for use at the same time. Please refer to the relevant Datasheet.

** Current at 5V dependant on display usage, colours displayed, SD card usage and brand, and processor calculations.

AVAILABLE IN:

gen4-uLCD-50D	5.0", Intelligent Display Module with embedded DIABLO16 processor and gen4-IB
gen4-uLCD-50D-CLB	5.0", Intelligent Display Module with embedded DIABLO16 processor with non-touch Cover Lens Bezel and gen4-IB
gen4-uLCD-50DT	5.0", Intelligent Display Module with embedded DIABLO16 processor and Resistive Touch panel and gen4-IB
gen4-uLCD-50DCT-CLB	5.0", Intelligent Display Module with embedded DIABLO16 processor and Capacitive Touch Cover Lens Bezel and gen4-IB
gen4-uLCD-50D-SB	5.0", super bright, Intelligent Display Module with embedded DIABLO16 processor and gen4-IB
gen4-uLCD-50D-CLB-SB	5.0", super bright, Intelligvent Display Module with embedded DIABLO16 processor with non-touch Cover Lens Bezel and gen4-IB
gen4-uLCD-50DT-SB	5.0", super bright, Intelligent Display Module with embedded DIABLO16 processor and Resistive Touch panel and gen4-IB
gen4-uLCD-50DCT-CLB-SB	5.0", super bright, Intelligent Display Module with embedded DIABLO16 processor and Capacitive Touch Cover Lens Bezel and gen4-IB

5.0" HMI Modules for Arduino





Capacitive Touch with Cover Glass Non-Touch with Cover Glass

AVAILABLE IN:

Non-Touch

gen4-uLCD-50D-AR	Includes gen4-uLCI
gen4-uLCD-50DT-AR	Includes gen4-uLCI
gen4-uLCD-50D-CLB-AR	Includes gen4-uLCI
gen4-uLCD-50DCT-CLB-AR	Includes gen4-uLC
gen4-uLCD-50D-SB-AR	Includes gen4-uLC
gen4-uLCD-50DT-SB-AR	Includes gen4-uLCI
gen4-uLCD-50D-CLB-SB-AR	Includes gen4-uLCl
gen4-uLCD-50DCT-CLB-SB-AR	Includes gen4-uLC

CD-50D, 4D Arduino Adaptor Shield-II, gen4-IB, 150 mm FFC Cable, 5-way female-to-female ribbon cable with male-to-male adaptor CD-50DT, 4D Arduino Adaptor Shield-II, gen4-IB, 150 mm FFC Cable, 5-way female-to-female ribbon cable with male-to-male adaptor CD-50D-CLB, 4D Arduino Adaptor Shield-II, gen4-IB, 150 mm FFC Cable, 5-way female-to-female ribbon cable with male-to-male adaptor CD-50DCT-CLB, 4D Arduino Adaptor Shield-II, gen4-IB, 150 mm FFC Cable, 5-way female-to-female ribbon cable with male-to-male adaptor CD-50D-SB, 4D Arduino Adaptor Shield-II, gen4-IB, 150 mm FFC Cable, 5-way female-to-female ribbon cable with male-to-male adaptor CD-50DT-SB, 4D Arduino Adaptor Shield-II, gen4-IB, 150 mm FFC Cable, 5-way female-to-female ribbon cable with male-to-male adaptor CD-50D-CLB-SB, 4D Arduino Adaptor Shield-II, gen4-IB, 150 mm FFC Cable, 5-way female-to-female ribbon cable with male-to-male adaptor CD-50DCT-CLB-SB, 4D Arduino Adaptor Shield-II, gen4-IB, 150 mm FFC Cable, 5-way female-to-female ribbon cable with male-to-male adaptor

5.0" HMI Modules for Raspberry Pi





Capacitive Touch with Cover Glass Non-Touch with Cover Glass

AVAILABLE IN:

gen4-uLCD-50D-PI gen4-uLCD-50DT-PI gen4-uLCD-50D-CLB-PI gen4-uLCD-50DCT-CLB-PI gen4-uLCD-50D-SB-PI gen4-uLCD-50DT-SB-PI gen4-uLCD-50D-CLB-SB-PI

Includes gen4-uLCD-50D, 4D Serial Pi Adaptor, gen4-IB, 150 mm Includes gen4-uLCD-50DT, 4D Serial Pi Adaptor, gen4-IB, 150 mm Includes gen4-uLCD-50D-CLB, 4D Serial Pi Adaptor, gen4-IB, 150 Includes gen4-uLCD-50DCT-CLB, 4D Serial Pi Adaptor, gen4-IB, Includes gen4-uLCD-50D-SB, 4D Serial Pi Adaptor, gen4-IB, 150 Includes gen4-uLCD-50DT-SB, 4D Serial Pi Adaptor, gen4-IB, 150 Includes gen4-uLCD-50D-CLB-SB, 4D Serial Pi Adaptor, gen4-IB, gen4-uLCD-50DCT-CLB-SB-PI Includes gen4-uLCD-50DCT-CLB-SB, 4D Serial Pi Adaptor, gen4-

Starter kits



Starter kits

n FFC Cable, 5-way female-to-female ribbon cable with male-to-male adaptor
m FFC Cable, 5-way female-to-female ribbon cable with male-to-male adaptor
50 mm FFC Cable, 5-way female-to-female ribbon cable with male-to-male adaptor
150 mm FFC Cable, 5-way female-to-female ribbon cable with male-to-male adaptor
) mm FFC Cable, 5-way female-to-female ribbon cable with male-to-male adaptor
0 mm FFC Cable, 5-way female-to-female ribbon cable with male-to-male adaptor
3, 150 mm FFC Cable, 5-way female-to-female ribbon cable with male-to-male adaptor
I-IB, 150 mm FFC Cable, 5-way female-to-female ribbon cable with male-to-male adaptor

7.0" Diablo16 Intelligent Display Modules









- Capacitive Touch with Cover Glass
- Non-Touch with Cover Glass

Product Specifications						
Resolution	800 x 480 Pixels				D / D-CLB	~815 mA **
	D	~500 cd/m2			DT	~820 mA **
	D-CLB	~485 cd/m2		Supply Current (ICC)	DCT-CLB	~825 mA **
	DT	~400 cd/m2		(TYP)	D -SB/ D-CLB-SB	~950mA **
	DCT-CLB	~475 cd/m2			DT-SB	~960 mA **
Brightness (Typical)	SB Version - D	~844 cd/m2			DCT-CLB-SB	~965 mA **
	SB Version - D-CLB	~782 cd/m2		Supply Voltage	5.0V DC	
	SB Version - DT	~679 cd/m2		Storage Temperature	-30°C to +	80°C
	SB Version - DCT-CLB ~758 cd/m2			Operating Ambient Temperature	-20°C to +	70°C
	D : Non-Touch D-CLB : Non-Touch w/ Cover Lens Bezel DT : Resistive Touch DCT-CLB : Capacitive touch w/ Cover Lens Bezel			Lithium Charger	No	
				8 Bit Parallel Transfer	Yes	
				Flash	6 banks of	32KB
Touch			RAM	32KB of SRAM		
louch	D-SB : Non-Touch, Super Bright Display D-CLB-SB : Non-Touch w/ Cover Lens Bezel, Super Bright Display DT-SB : Resistive Touch, Super Bright Display DCT-CLB-SB : Capacitive touch w/ Cover Lens					
				I2C	3 x Chanı	nels
				GPIO	16 x GP	10
				SPI	3 channels a	vailable
	Bezel, Super Bright Display			IDE	4D Worksho	p4 IDE
Colours	RGB 65K			Serial Speed	300 to 21875	00 baud
Processor Capability	1220K Pixels / second			Serial Interface(s)	1 x dedicated and 3	x configurable
Frame Rate	3.1 FP	S			SPI Flash, CRC, Pin Cou Input, Pulse	
SD Card Slot Display Viewing Area	YES 153.84 x 85.63mm			Additional Features	PWM Out Functions, Dal Neopixel Sup	las 1-wire Support,

* Not all configurable I/O features for use at the same time. Please refer to the relevant Datasheet.

** Current at 5V dependant on display usage, colours displayed, SD card usage and brand, and processor calculations.

AVAILABLE IN:

gen4-uLCD-70D	7.0", Intelligent Display Module with embedded DIABLO16 processor and gen4-IB
gen4-uLCD-70D-CLB	7.0", Intelligent Display Module with embedded DIABLO16 processor with non-touch Cover Lens Bezel and gen4-IB
gen4-uLCD-70DT	7.0", Intelligent Display Module with embedded DIABLO16 processor and Resistive Touch panel and gen4-IB
gen4-uLCD-70DCT-CLB	7.0", Intelligent Display Module with embedded DIABLO16 processor and Capacitive Touch Cover Lens Bezel and gen4-IB
gen4-uLCD-70D-SB	7.0", super bright, Intelligent Display Module with embedded DIABLO16 processor and gen4-IB
gen4-uLCD-70D-CLB-SB	7.0", super bright, Intelligent Display Module with embedded DIABLO16 processor with non-touch Cover Lens Bezel and gen4-IB
gen4-uLCD-70DT-SB	7.0", super bright, Intelligent Display Module with embedded DIABLO16 processor and Resistive Touch panel and gen4-IB
gen4-uLCD-70DCT-CLB-SB	7.0", super bright, intelligent Display Module with embedded DIABLO16 processor and Capacitive Touch Cover Lens Bezel and gen4-IB

7.0" HMI Modules for Arduino





Resistive Touch Non-Touch

Capacitive Touch with Cover Glass Non-Touch with Cover Glass

AVAILABLE IN:

gen4-uLCD-70D-AR	Includes ge
gen4-uLCD-70DT-AR	Includes ge
gen4-uLCD-70D-CLB-AR	Includes ge
gen4-uLCD-70DCT-CLB-AR	Includes ge
gen4-uLCD-70D-SB-AR	Includes ge
gen4-uLCD-70DT-SB-AR	Includes ge
gen4-uLCD-70D-CLB-SB-AR	Includes ge
gen4-uLCD-70DCT-CLB-SB-AR	Includes ge

gen4-uLCD-70D, 4D Arduino Adaptor Shield-II, gen4-IB, 150 mm FFC Cable, 5-way female-to-female ribbon cable with male-to-male adaptor gen4-uLCD-70DT, 4D Arduino Adaptor Shield-II, gen4-IB, 150 mm FFC Cable, 5-way female-to-female ribbon cable with male-to-male adaptor gen4-uLCD-70D-CLB, 4D Arduino Adaptor Shield-II, gen4-IB, 150 mm FFC Cable, 5-way female-to-female ribbon cable with male-to-male adaptor gen4-uLCD-70DCT-CLB, 4D Arduino Adaptor Shield-II, gen4-IB, 150 mm FFC Cable, 5-way female-to-female ribbon cable with male-to-male adaptor gen4-uLCD-70D-SB, 4D Arduino Adaptor Shield-II, gen4-IB, 150 mm FFC Cable, 5-way female-to-female ribbon cable with male-to-male adaptor gen4-uLCD-70DT-SB, 4D Arduino Adaptor Shield-II, gen4-IB, 150 mm FFC Cable, 5-way female-to-female ribbon cable with male-to-male adaptor gen4-uLCD-70D-CLB-SB, 4D Arduino Adaptor Shield-II, gen4-IB, 150 mm FFC Cable, 5-way female-to-female ribbon cable with male-to-male adaptor gen4-uLCD-70DCT-SB, 4D Arduino Adaptor Shield-II, gen4-IB, 150 mm FFC Cable, 5-way female-to-female ribbon cable with male-to-male adaptor

7.0" HMI Modules for Raspberry Pi



Capacitive Touch with Cover Glass Non-Touch with Cover Glass

AVAILABLE IN:

gen4-uLCD-70D-PI	Includes gen4-uLCD-70D, 4D Serial Pi Adaptor, gen4-IB, 150 mm FFC Cable, 5-way female-to-female ribbon cable with male-to-male adaptor
gen4-uLCD-70DT-PI	Includes gen4-uLCD-70DT, 4D Serial Pi Adaptor, gen4-IB, 150 mm FFC Cable, 5-way female-to-female ribbon cable with male-to-male adaptor
gen4-uLCD-70D-CLB-PI	Includes gen4-uLCD-70D-CLB, 4D Serial Pi Adaptor, gen4-IB, 150 mm FFC Cable, 5-way female-to-female ribbon cable with male-to-male adaptor
gen4-uLCD-70DCT-CLB-PI	Includes gen4-uLCD-70DCT-CLB, 4D Serial Pi Adaptor, gen4-IB, 150 mm FFC Cable, 5-way female-to-female ribbon cable with male-to-male adaptor
gen4-uLCD-70D-SB-PI	Includes gen4-uLCD-70D-SB, 4D Serial Pi Adaptor, gen4-IB, 150 mm FFC Cable, 5-way female-to-female ribbon cable with male-to-male adaptor
gen4-uLCD-70DT-SB-PI	Includes gen4-uLCD-70DT-SB, 4D Serial Pi Adaptor, gen4-IB, 150 mm FFC Cable, 5-way female-to-female ribbon cable with male-to-male adaptor
gen4-uLCD-70D-CLB-SB-PI	Includes gen4-uLCD-70D-CLB-SB, 4D Serial Pi Adaptor, gen4-IB, 150 mm FFC Cable, 5-way female-to-female ribbon cable with male-to-male adaptor
gen4-uLCD-70DCT-CLB-SB-PI	Includes gen4-uLCD-70DCT-SB, 4D Serial Pi Adaptor, gen4-IB, 150 mm FFC Cable, 5-way female-to-female ribbon cable with male-to-male adaptor



Starter kits



Starter kits



Contact details



