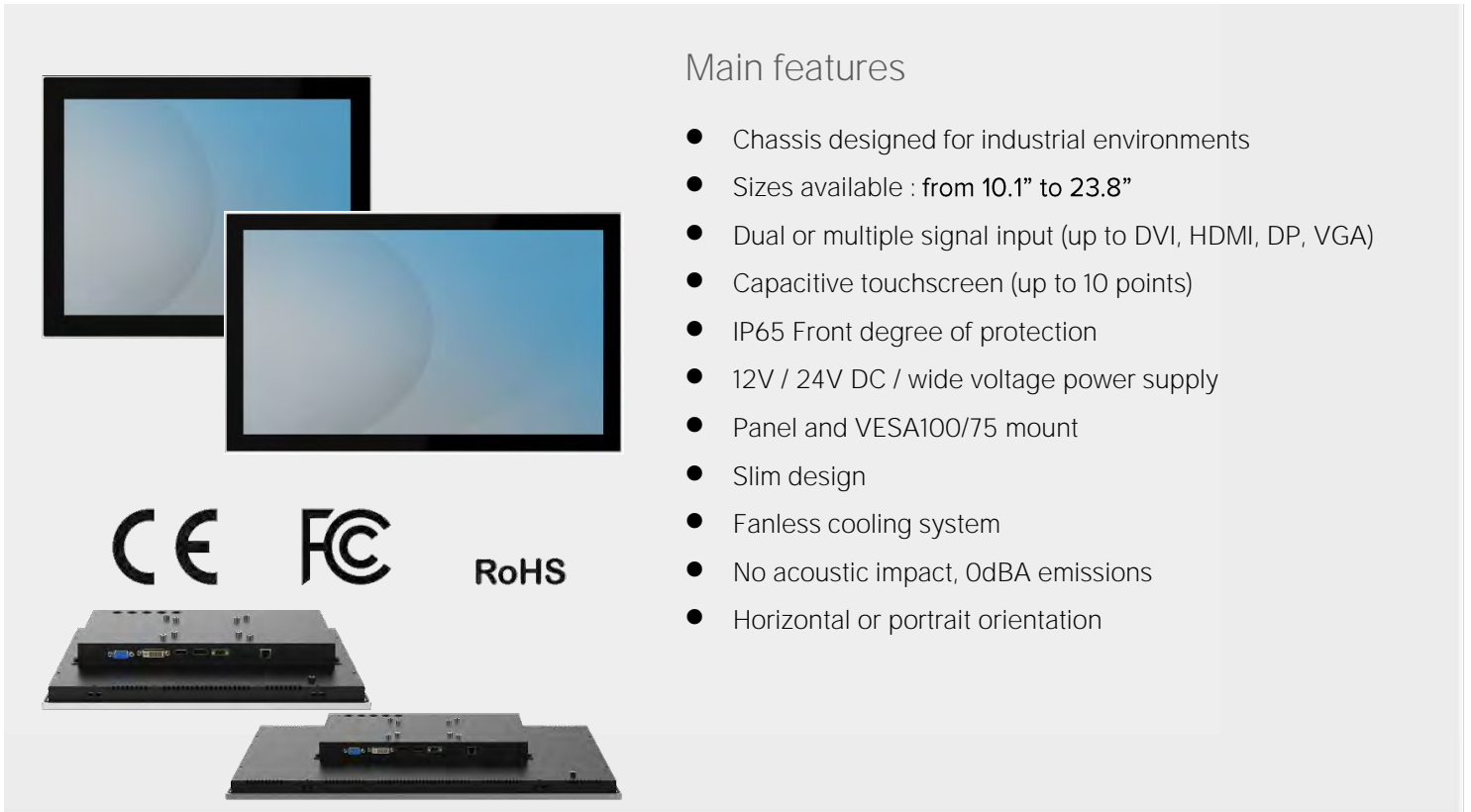


DRAKE PCAP Monitor (dual or multiple signal input)

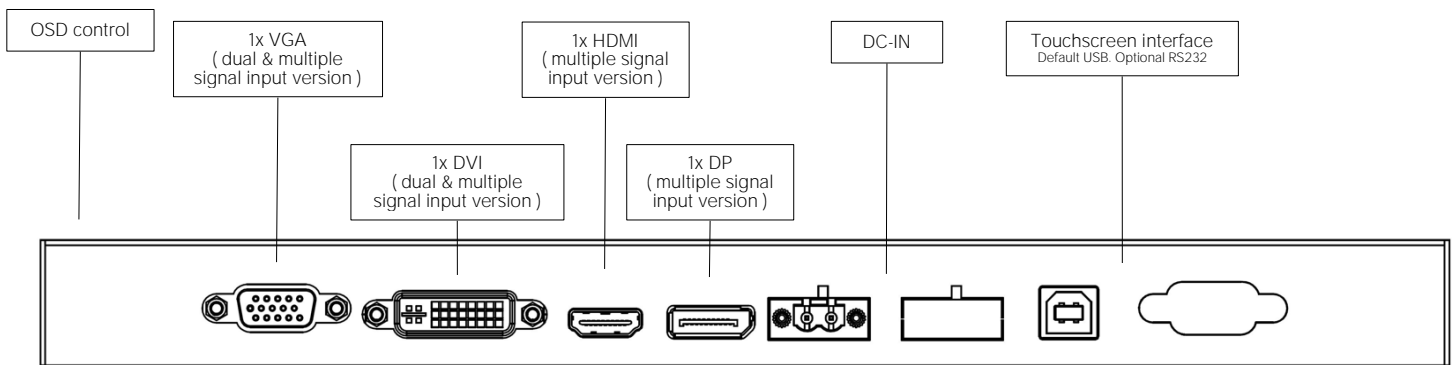


Main features

- Chassis designed for industrial environments
- Sizes available : from 10.1" to 23.8"
- Dual or multiple signal input (up to DVI, HDMI, DP, VGA)
- Capacitive touchscreen (up to 10 points)
- IP65 Front degree of protection
- 12V / 24V DC / wide voltage power supply
- Panel and VESA100/75 mount
- Slim design
- Fanless cooling system
- No acoustic impact, OdBA emissions
- Horizontal or portrait orientation



I/O Interface Features



Display features

12.1" 1280 x 768 XGA	Panel type	TFT active-matrix LCD Led backlight
	Size / Aspect Ratio	12.1" / 4:3
	Pixel HxV	1280 x 768 (XGA)
	Active area	245.76 × 184.32 mm
	Contrast ratio	800:1
	Brightness	350 cd/m ²
	Viewing angle	Horizontal 160° - Vertical 160°
	Lifetime	30.000hrs
	15.0" 1024 x 768 XGA	Panel type
Size / Aspect Ratio		15.6" / 4:3
Pixel HxV		1024 x 768 (XGA)
Active area		304.128 x 228.096 mm
Contrast ratio		900:1
Brightness		350 cd/m ²
Viewing angle		Horizontal 160° - Vertical 160°
Lifetime		50.000hrs
15.6" 1366 x 768 WXGA		Panel type
	Size / Aspect Ratio	15.6" / 16:9
	Pixel HxV	1366 x 768 (WXGA)
	Active area	344.23 x 193.54 mm
	Contrast ratio	500:1
	Brightness	300 cd/m ²
	Viewing angle	Horizontal 160° - Vertical 160°
	Lifetime	50.000hrs
	15.6" 1920 x 1080 FULL HD	Panel type
Size / Aspect Ratio		15.6" / 16:9
Pixel HxV		1920 x 1080 (FULL HD)
Active area		344.16 x 193.59 mm
Contrast ratio		1000:1
Brightness		450 cd/m ²
Viewing angle		Horizontal 170° - Vertical 170°
Lifetime		50.000hrs
17.0" 1280 x 1024 SXGA		Panel type
	Size / Aspect Ratio	17.0" / 5:4
	Pixel HxV	1280 x 1024 (SXGA)
	Active area	337.92 × 270.34 mm
	Contrast ratio	1000:1
	Brightness	250 cd/m ²
	Viewing angle	Horizontal 170° - Vertical 160°
	Lifetime	30.000hrs
	18.5" 1920 x 1080 FULL HD	Panel type
Size / Aspect Ratio		18.5" / 16:9
Pixel HxV		1920 x 1080 (FULL HD)
Active area		409.8 × 230.4 mm
Contrast ratio		1000:1
Brightness		350 cd/m ²
Viewing angle		Horizontal 170° - Vertical 170°
Lifetime		50.000hrs
19.0" 1280 x 1024 SXGA		Panel type
	Size / Aspect Ratio	19.0" / 5:4
	Pixel HxV	1280 x 1024 (SXGA)
	Active area	376.32 × 310.06 mm
	Contrast ratio	1000:1
	Brightness	250 cd/m ²
	Viewing angle	Horizontal 178° - Vertical 178°
	Lifetime	30.000hrs
	21.5" 1920 x 1080 FULL HD	Panel type
Size / Aspect Ratio		21.5" / 16:9
Pixel HxV		1920 x 1080 (Full HD)
Active area		476.64 x 268.11 mm
Contrast ratio		3000:1
Brightness		250 cd/m ²
Viewing angle		Horizontal 178° - Vertical 178°
Lifetime		30.000hrs



Technical Features

Back I/O interfaces	USB-IN	1 x USB 2.0 Type B (for touchscreen interface)
	Serial	1 x RS232 (for touchscreen interface, only mechanical predisposition for 1x DB9. Optional)
	*Video	1 x VGA 1 x DVI 1 x HDMI 1 x DP Only one port connected at the same time *See ordering code
	OSD / Control	1 x Power led 1 x OSD 5 key w/ power switch
	Audio	N/A
	DC-IN	1 x Phoenix terminal 2P (5.08, Block with lock)
	Touchscreen	Type
Touch point		Multi points touch, max. up to 10 points
Interface		USB
Glove capable		Yes (only with capacitive suitable gloves)
MTBF		100000000 times
Power supply	Input voltage*	Standard: 12V DC or 24V DC (supported range: from 9V DC to 36V DC) *See ordering code
	Power consumption	15 W (size : 12.1") 20W (size : 15.0", 15.6", 17.0", 18.5", 19.0") 25W (size: 21.5")
	Standard PSU*	AC INPUT: 230V AC 50Hz DC OUTPUT: 12.0V DC 3.33A *See ordering code
Software compatibility	Supported operating system	Windows 7 / 10 / 11 / IoT
Mechanical features	Fixing method	Panel, VESA100, VESA75
	Dimensions	See next pages
	Weight	10.1" : TBD
		10.4" : TBD
		12.1" : 2.7 kg
		15.0" : 3.1 kg
		15.6" : 3.6 kg
17.0" : 4.1 kg		
18.5" : 4.6 kg		
19.0" : 5.1 kg		
21.5" : 6.1 kg		
23.8" : TBD		
Front bezel	Magnesium-Aluminum alloy, anodized treatment	
Color	Black	
Chassis material	Galvanized metal, SGCC plate sheet, sand-blasting	
Environment	Operating temp.	From -20°C to +70°C (size : 12.1", 15.0", 18.5")
		From -20°C to +60°C (size : 15.6" (FULL HD))
		From 0°C to +60°C (size : 15.6" (WXGA), 21.5")
		From 0°C to +50°C (size : 17.0", 19.0")
	Non op. temp.	From -20°C to +70°C
	RH	From 10% to 95% (non-condensing)
	Suitable for	Indoor use only
IP Grade	Front	IP65
	Back	IP20
	Cooling System	Fanless
	Acoustic emissions	OdB
Product approvals	Reference marks	CE, FCC, RoHS
	Directives, rules & regulations	Built according to European Directive 2014/30/EU (EMCD), 2011/65/EU & 2015/863/EU (RoHS III)
	For more information contact your sales representative	



Ordering code & optional kit

Ordering code	
DUAL SIGNAL INPUT (VGA+DVI)	
CN031-AE01-SN-001	MONITOR DRAKE 3121, 12.1", PCAP, VGA+DVI, 1280x768 (XGA), 12V DC IN, w/ PSU
CN031-AE02-SN-001	MONITOR DRAKE 3121, 12.1", PCAP, VGA+DVI, 1280x768 (XGA), 9-36V DC IN, w/o PSU
TBD	MONITOR DRAKE 3121, 12.1", PCAP, VGA+DVI, 1280x768 (XGA), 12V DC IN, w/ PSU, HIGH BRIGHTNESS
CN031-AB02-SN-001	MONITOR DRAKE 3156, 15.6", PCAP, VGA+DVI, 1920x1080 (FULL HD), 12V DC IN, w/ PSU

MULTIPLE SIGNAL INPUT (VGA+DVI+HDMI+DP)	
CN031-AI01-SN-001	MONITOR DRAKE 3150, 15.0", PCAP, VGA+DVI+HDMI+DP, 1024x768 (XGA), 9-36V DC IN, w/o PSU
TBD	MONITOR DRAKE 3150, 15.0", PCAP, VGA+DVI+HDMI+DP, 1024x768 (XGA), 12V DC IN, w/ PSU
CN031-AB01-SN-001	MONITOR DRAKE 3156, 15.6", PCAP, VGA+DVI+HDMI+DP, 1920x1080 (FULL HD), 12V DC IN, w/ PSU
CN031-AB03-SN-001	MONITOR DRAKE 3156, 15.6", PCAP, VGA+DVI+HDMI+DP, 1366x768 (WXGA), 12V DC IN, w/ PSU
CN031-AB03-SN-002	MONITOR DRAKE 3156, 15.6", PCAP, VGA+DVI+HDMI+DP, 1366x768 (WXGA), 9-36V DC IN, w/o PSU
CN031-AG01-SN-001	MONITOR DRAKE 3170, 17.0", PCAP, VGA+DVI+HDMI+DP, 1280x1024 (SXGA), 12V DC IN, w/ PSU
CN031-AG02-SN-001	MONITOR DRAKE 3170, 17.0", PCAP, VGA+DVI+HDMI+DP, 1280x1024 (SXGA), 9-36V DC IN, w/o PSU
TBD	MONITOR DRAKE 3170, 17.0", PCAP, VGA+DVI+HDMI+DP, 1280x1024 (SXGA), 12V DC IN, w/ PSU, HIGH BRIGHTNESS
CN031-AD01-SN-001	MONITOR DRAKE 3185, 18.5", PCAP, VGA+DVI+HDMI+DP, 1920x1080 (FULL HD), 9-36V DC IN, w/o PSU
CN031-AC01-SN-001	MONITOR DRAKE 3190, 19.0", PCAP, VGA+DVI+HDMI+DP, 1280x1024 (SXGA), 12V DC IN, w/ PSU
CN031-AF01-SN-001	MONITOR DRAKE 3215, 21.5", PCAP, VGA+DVI+HDMI+DP, 1920x1080 (FULL HD), 12V DC IN, w/ PSU
TBD	MONITOR DRAKE 3215, 21.5", PCAP, VGA+DVI+HDMI+DP, 1920x1080 (FULL HD), 9-36V DC IN, w/o PSU
TBD	MONITOR DRAKE 3215, 21.5", PCAP, VGA+DVI+HDMI+DP, 1920x1080 (FULL HD), 12V DC IN, w/ PSU, HIGH BRIGHTNESS

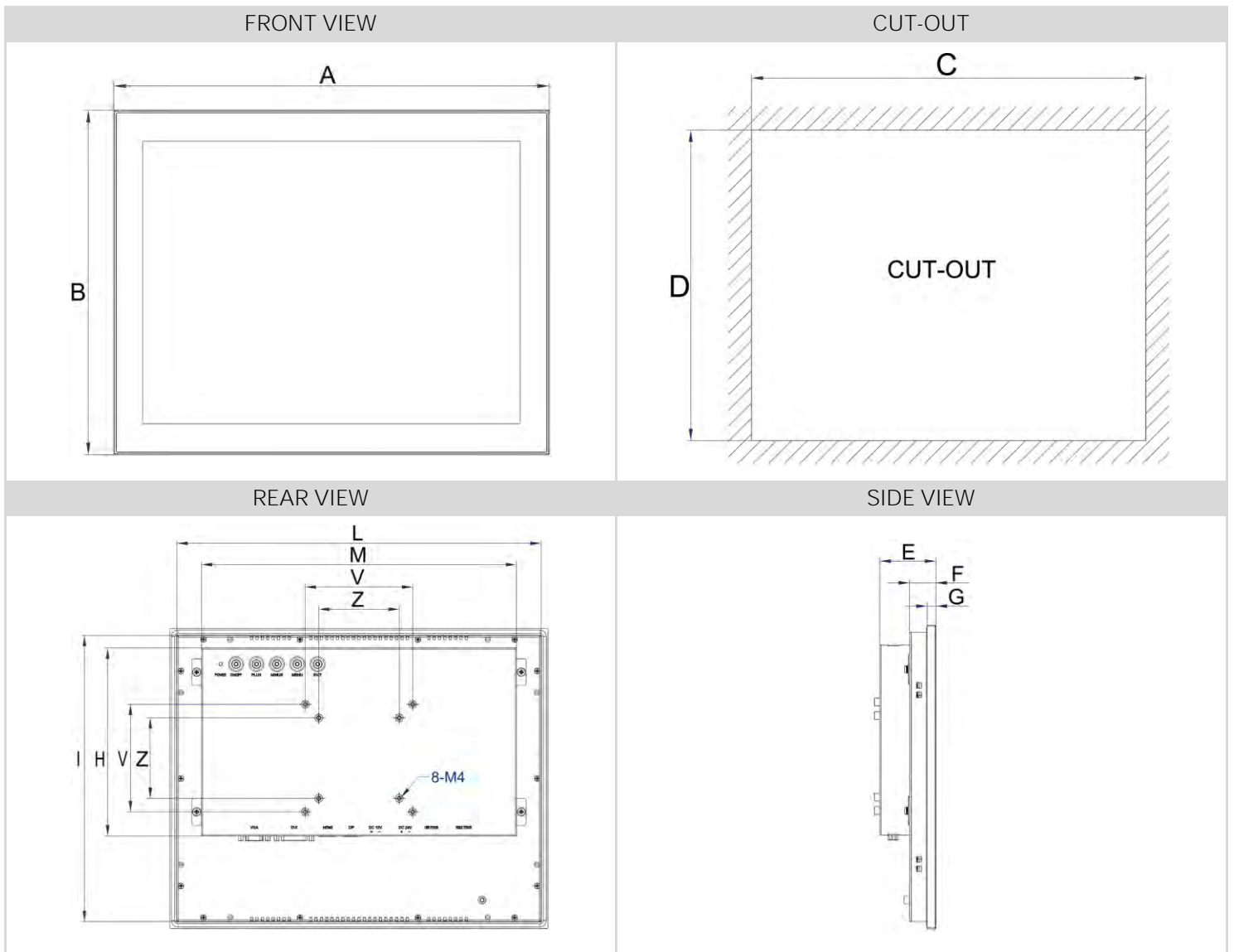
For more information on choosing the technology that best suits your needs, contact your sales representative

Optional kit	
TBD	External AC power adapter, 24VDC

For more information on choosing the technology that best suits your needs, contact your sales representative



Mechanical Features



	SIZE	A	B	C	D	E	F	G	H	I	L	M	V	Z
TBD	10.1"													
TBD	10.4"													
CN031-AE0x-SN-001	12.1"	306.0	242.5	295.0	232.0				150.0	229.5.0	293	215		
CN031-AI01-SN-001	15.0"	352.2	279.3	341.0	268.0					266.3	339.2			
CN031-AB0x-SN-00x	15.6"	395.0	247.9	385.0	237.0					234.9	382.6			
CN031-AG0x-SN-001	17.0"	386.5	323.5	376.0	313.0	51	24	8	175.0	310.5	373.5	293.5	100	75
CN031-AD01-SN-001	18.5"	462.4	286.6	451	276.0					273.6	449.4			
CN031-AC01-SN-001	19.0"	422.3	353.0	411.0	342.0					340.0	409.3			
CN031-AF01-SN-001	21.5"	527.0	318.7	516.0	308.0					305.7	514			
TBD	23.8"													

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