OptixPanel™ Standard graphic terminals

FactoryTalk® Optix™ software-based operator panels for visualization and maximum connectivity

Highlights

- Embedded solutions based on FactoryTalk Optix software, the new collaborative, cloud-based platform that offers an unprecedented degree of flexibility, scalability, extensibility and openness for visualization and edge computing applications

- Full industrial interoperability for M2M scenarios and interfacing to MES and ERP systems thanks to native support for the OPC UA protocol, simple two-way communication with cloud infrastructures via MQTT protocol

- Aluminum (ALU) and aluminum True Flat (TF) front panels with resistive touchscreen

- True Flat aluminum and glass front panels (TFM) with multitouch back-projected capacitive touchscreen

- True Flat stainless steel (TFK) front panels with resistive touchscreen

- Available with 10.4", 12.1" and 15" in 4:3 aspect ratio and 7", 10.1", 12.1", 15.6", 18.5" and 21.5" in Wide aspect ratio

- Natively equipped with two Gigabit Ethernet ports, two USB 3.0 ports and a multistandard serial port

- Integrated FactoryTalk® Remote Access™ software for remote assistance (UBIQUITY license compatible)

Allen-Bradley® OptixPanel™ Standard graphic terminals give you a PC-like user experience in a sealed HMI appliance. There is no operating system to secure and smaller applications can benefit from the superior price-performance ratio. They are also available in a wide range of screen sizes, bezel options, aspect ratios and touch screen technologies that support gestures, such as swipe and pinch, and can operate on two independent networks for easier integration on your factory floor.

OptixPanel graphic terminals run FactoryTalk® Optix™ and FactoryTalk® Remote Access™ software, providing flexibility, scalability and enhanced connectivity.
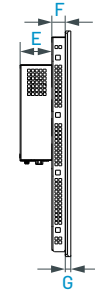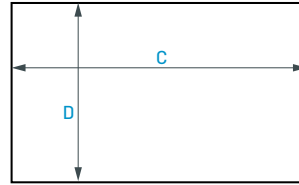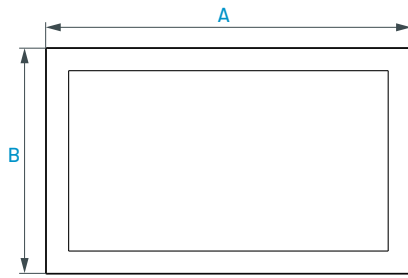
Dimensions

OptixPanel Standard – Aluminum – Widescreen

LCD	A		B		C		D		E		F		G	
	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in
7"W	207	8.15	150.5	5.93	196	7.72	140	5.51	54	2.13	-	-	5	0.2
10.1"W	269.5	10.61	188	7.40	255.5	10.06	174	6.85	43	1.69	16.8	0.66	5	0.20
12.1"W	315	12.40	217	8.54	301	11.85	203	7.99	43	1.69	19.8	0.78	5	0.20
15.6"W	401.5	15.81	251	9.88	388	15.28	238	9.37	43	1.69	21.8	0.86	5	0.20
18.5"W	467	18.39	288	11.34	453	17.83	274	10.79	43	1.69	19.8	0.78	7	0.28
21.5"W	534	21.02	325.5	12.81	520	20.47	312	12.28	43	1.69	19.8	0.78	7	0.28

OptixPanel Standard – True Flat Multitouch – Widescreen

LCD	A		B		C		D		E		F		G	
	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in
7"W	207	8.15	150.5	5.93	196	7.72	140	5.51	54	2.13	-	-	6	0.24
10.1"W	269.5	10.61	188	7.40	255.5	10.06	174	6.85	43	1.69	17.3	0.68	6.5	0.26
12.1"W	315	12.40	217	8.54	301	11.85	203	7.99	43	1.69	20.3	0.80	7.5	0.30
15.6"W	401.5	15.81	251	9.88	388	15.28	238	9.37	43	1.69	22.3	0.88	7.5	0.30
18.5"W	467	18.39	288	11.34	453	17.83	274	10.79	43	1.69	20.3	0.80	10.5	0.41
21.5"W	534	21.02	325.5	12.81	520	20.47	312	12.28	43	1.69	20.3	0.80	10.5	0.41

OptixPanel Standard – Aluminum TrueFlat (4:3) and Aluminum (4:3)
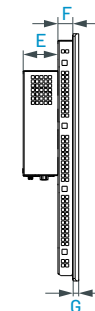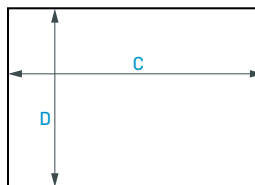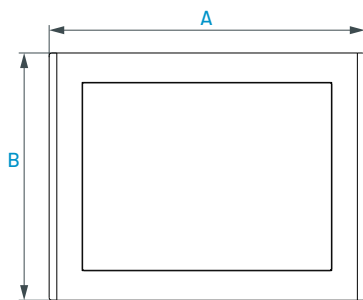
LCD	A		B		C		D		E		F		G	
	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in
10.4"	296	11.65	231	9.09	283	11.14	219	8.62	43	1.69	18.8	0.74	6	0.24
12.1"	326	12.83	261	10.28	315	12.40	250	9.84	43	1.69	18.8	0.74	6	0.24
15"	391	15.39	306	12.05	380	14.96	295	11.61	43	1.69	18.8	0.74	7	0.28

Dimensions

OptixPanel Standard - Stainless Steel - Widescreen
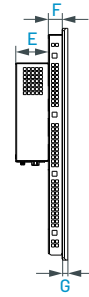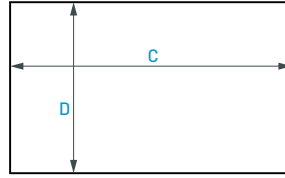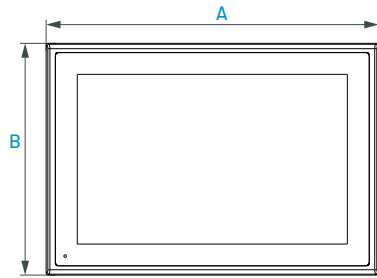
LCD	A		B		C		D		E		F		G	
	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in
10.1"W	278.5	10.96	196.5	7.74	255.5	10.06	174	6.85	43	1.69	17.6	0.69	5.3	0.21
12.1"W	324	12.76	226	8.90	301	11.85	203	7.99	43	1.69	20.6	0.81	5.3	0.21
15.6"W	410.5	16.16	260	10.24	388	15.28	238	9.37	43	1.69	23.6	0.93	5.3	0.21
18.5"W	476	18.74	297	11.69	453	17.83	274	10.79	43	1.69	21.6	0.85	5.3	0.21
21.5"W	543.5	21.40	334.5	13.17	520	20.47	312	12.28	43	1.69	21.6	0.85	5.3	0.21

I/O shield

RESTART/FACTORY RESET BUTTON

2xLAN

RESTART BUTTON

COM TX LED

POWER PLUG

2xUSB 3.0

1xCOM (DB9M)

MICRO SD SLOT

COM RX LED

FACTORY RESET BUTTON

POWER ON LED

Micro SD
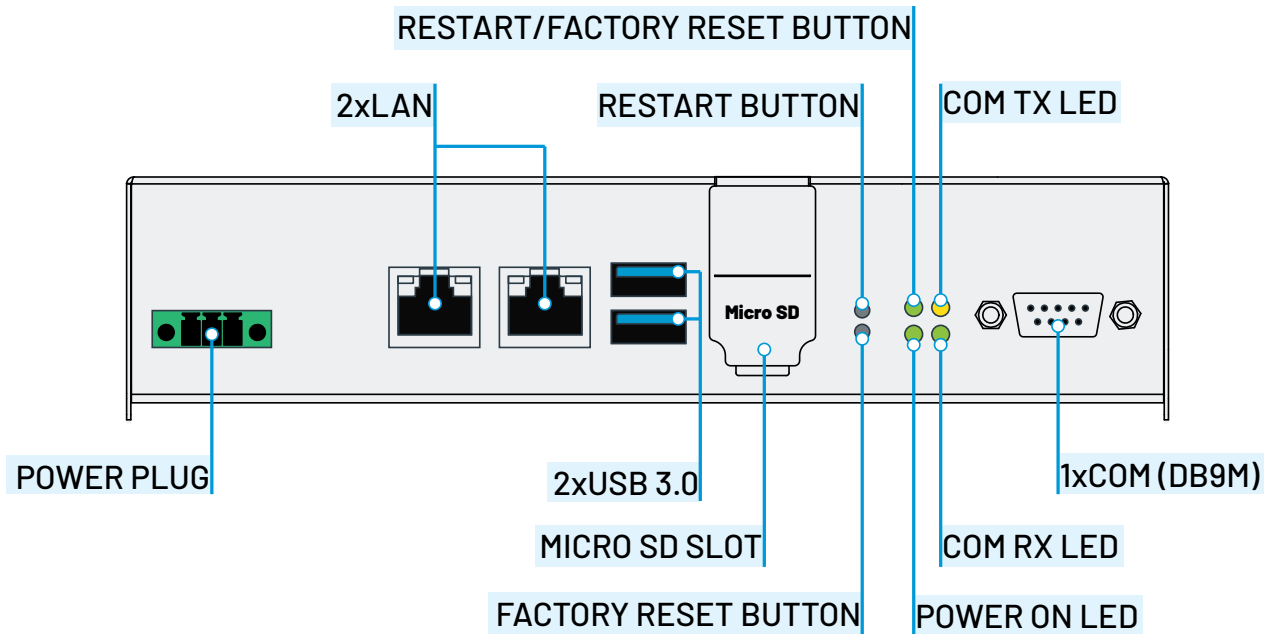
Technical data

		OptixPanel Standard graphic terminals – Aluminum –Widescreen	OptixPanel Standard graphic terminals – Aluminum True Flat (4:3) and Aluminum (4:3)	OptixPanel Standard graphic terminals – True Flat Multitouch – Widescreen	OptixPanel Standard graphic terminals – Stainless Steel - Widescreen
HMI SOFTWARE		FactoryTalk® Optix™ runtime (License size: M / L)			
REMOTE ASSISTANCE SW		FactoryTalk® Remote Access™ PRO (UBIQUITY compatible)			
O.S. INSTALLED		Linux Yocto			
LED BACKLIGHT TFT LCD		7" W - 800x480 10.1" W - 1280x800 12.1" W - 1280x800 15.6" W- 1920x1080 18.5" W - 1920x1080 21.5" W - 1920x1080	10.4" 4:3 - 800x600 12.1" 4:3 - 1024x768 15" 4:3 - 1024x768	7" W - 800x480 10.1" W - 1280x800 12.1" W - 1280x800 15.6" W- 1920x1080 18.5" W - 1920x1080 21.5" W - 1920x1080	10.1" W - 1280x800 12.1" W - 1280x800 15.6" W- 1920x1080 18.5" W - 1920x1080 21.5" W - 1920x1080
TOUCHSCREEN		Resistive 4 wires		P-CAP Multitouch	Resistive 4 wires
FRONT PANEL	Material	Aluminum	True Flat Aluminum		True Flat Stainless Steel
	Logo	A-B or brandless			
PROTECTION GRADE IP	IP rating	IP65 - frontal			IP69K - frontal
	NEMA rating	UL type 1, 4x (indoor only), pending			
CASE	Installation	Panel mounting			
	Material	Zinc-coated skin pass steel			
PROCESSOR (soldered on-board)		NXP i.MX 8M Plus Quad ARM Cortex A53 1.6GHz • 64bit • integrated GPU			
SYSTEM MEMORY RAM		4GB (LP-DDR4 module)			
MASS STORAGE		~12GB eMMC TLC			
STORAGE EXPANSION		1x MicroSD slot on board with external access (push-push)			
INTERFACES	LAN	2x Gigabit Ethernet (RJ45)			
	USB	2x USB 3.0 (Type-A / host)			
	SERIAL	1x RS232/422/485 (DB9M) isolated			
POWER SUPPLY INPUT		24VDC (9 ÷ 32VDC) isolated			
BATTERY		1x BR2032A Internal access			
OPERATING TEMPERATURE		0° ÷ 50°C			
STORAGE TEMPERATURE		–20° ÷ 60°C			
OPERATING/STORAGE RELATIVE HUMIDITY		20% ÷ 90% RH (non-condensing)			
APPROVALS		CE, cULus Listed, UKCA, ATEX, KC, RCM, MOROCCO, ODVA			