

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.



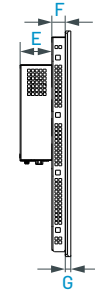
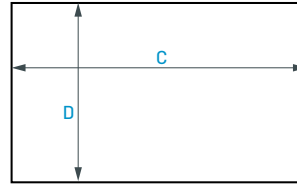
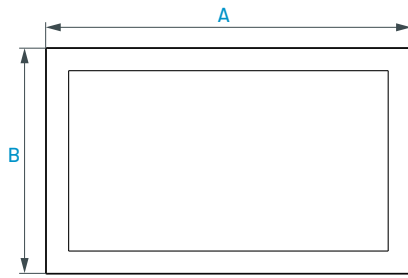
Dimensions

FRONT VIEW

CUT-OUT

SIDE VIEW

OptixPanel Standard - Aluminum - Widescreen

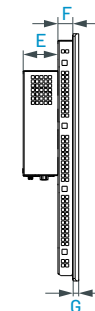
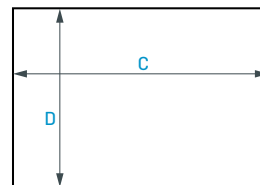
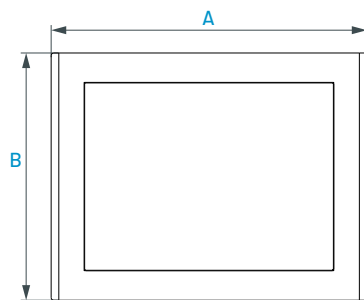


LCD	A		B		C		D		E		F		G	
	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in
7"W	207	8.15	150.5	5.93	196	7.72	140	5.51	54	2.13	-	-	5	0.2
10.1"W	269.5	10.61	188	7.40	255.5	10.06	174	6.85	43	1.69	16.8	0.66	5	0.20
12.1"W	315	12.40	217	8.54	301	11.85	203	7.99	43	1.69	19.8	0.78	5	0.20
15.6"W	401.5	15.81	251	9.88	388	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

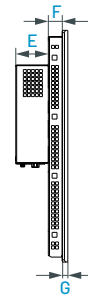
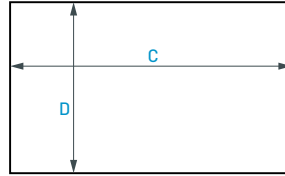
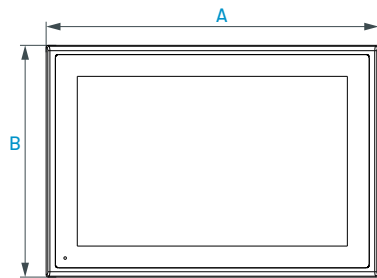
Dimensions

FRONT VIEW

CUT-OUT

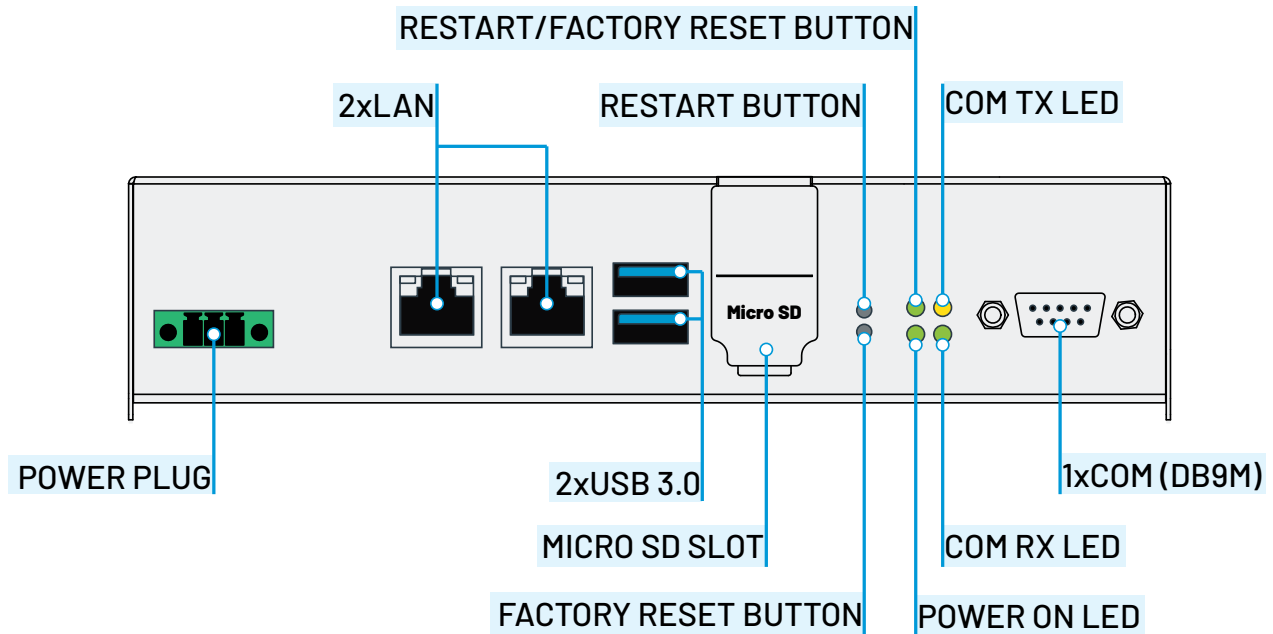
SIDE VIEW

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



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 (18 ÷ 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			

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OptixPanel™ Compact graphic terminals

FactoryTalk® Optix™ software-based operator panels for visualization

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 OPC UA protocol, simple two-way communication with cloud infrastructures via MQTT protocol
- Aluminum front panels (ALU) with resistive touchscreen
- True Flat aluminum and glass front panels (TFM) with multitouch back-projected capacitive touchscreen
- Available with 4.3" and 7" wide format
- Natively equipped with one Gigabit Ethernet port, one USB 2.0 port and one multistandard serial
- Integrated FactoryTalk® Remote Access™ software for remote assistance (UBIQUITY license compatible)



Allen-Bradley® OptixPanel™ Compact graphic terminals are available in smaller physical sizes making them perfect for machine and skid-level applications. These 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 multiple screen sizes, bezel options, aspect ratios and touch screen technologies that support gestures, such as swipe and pinch, for easier integration on your factory floor.

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



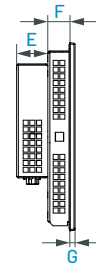
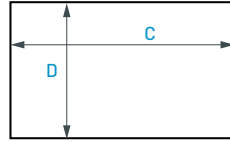
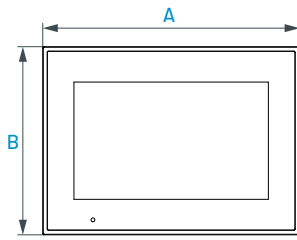
Dimensions

FRONT VIEW

CUT-OUT

SIDE VIEW

OptixPanel Compact graphic terminals - ALU/TFM



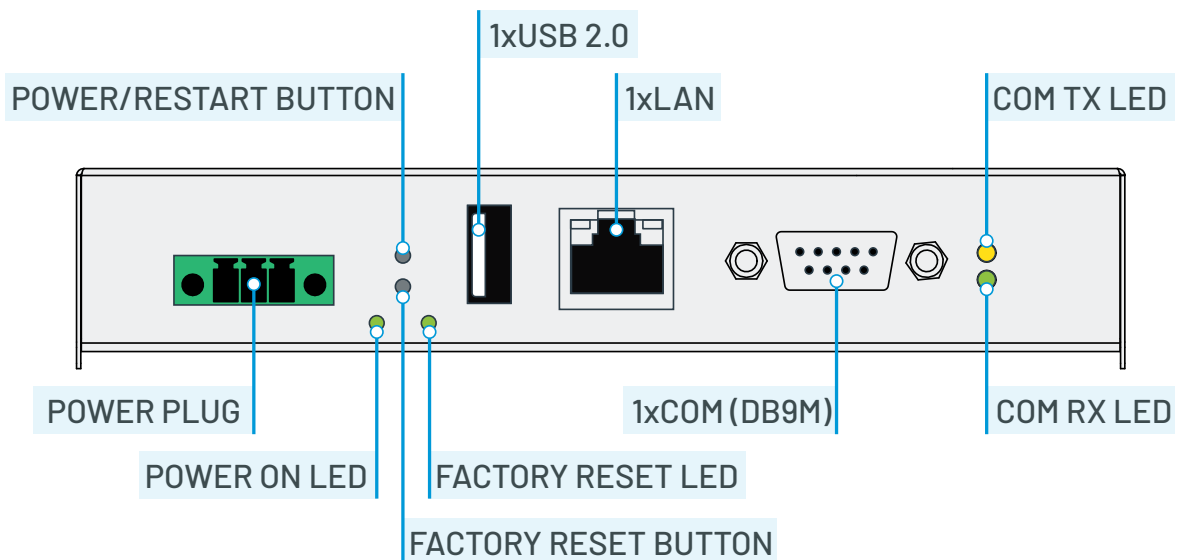
OptixPanel Compact - Aluminum - Widescreen

LCD	A		B		C		D		E		F		G	
	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in
4.3"W	136	5.35	95	3.74	129.5	5.10	88.5	3.48	33	1.30	-	-	4	0.16
7"W	203	7.99	148.5	5.85	195	7.68	138.5	5.45	24.5	0.96	17.5	0.69	4	0.16

OptixPanel Compact - 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
4.3"W	136	5.35	95	3.74	129.5	5.10	88.5	3.48	33	1.30	-	-	4	0.16
7"W	203	7.99	148.5	5.85	195	7.68	138.5	5.45	24.5	0.96	17.5	0.69	5	0.20

I/O shield



Technical data

	OptixPanel Compact graphic terminals-ALU	OptixPanel Compact graphic terminals-TFM
HMI SOFTWARE	FactoryTalk® Optix™ runtime (License size: S / M)	
REMOTE ASSISTANCE SW	FactoryTalk® Remote Access™ Basic (UBIQUITY compatible)	
O.S. INSTALLED	Yocto Linux	
LED BACKLIGHT TFT LCD	4.3" W - 480x272 7" W - 800x480	
TOUCHSCREEN	Resistive 4 wires	P-CAP Multitouch
FRONT PANEL	Material	Aluminum
	Logo	A-B or brandless
PROTECTION GRADE IP	IP rating	IP65 - 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 Mini Quad ARM Cortex A53 1.6GHz • 64bit • integrated GPU	
SYSTEM MEMORY RAM	1GB (LP-DDR4 module)	
MASS STORAGE	~2GB eMMC TLC	
INTERFACES	LAN	1x Gigabit Ethernet (RJ45)
	USB	1x USB 2.0 (Type-A / host)
	SERIAL	1x RS232/422/485 (DB9M) not isolated
POWER SUPPLY INPUT	24VDC (18÷32VDC) isolated	
BATTERY	1x BR1225A 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, KC, RCM, MOROCCO, ODVA	

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