

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.



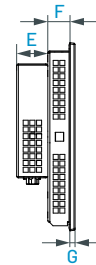
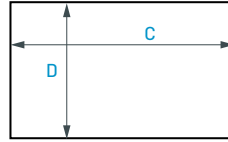
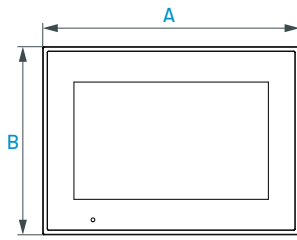
Dimensions

FRONT VIEW

CUT-OUT

SIDE VIEW

OptixPanel Compact graphic terminals - ALU/TFM



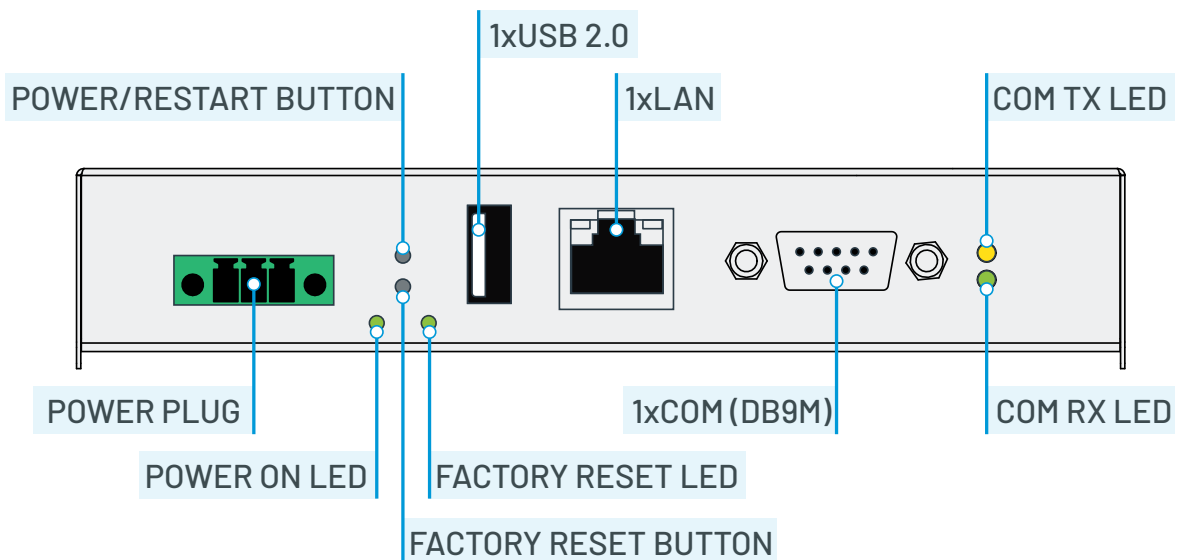
OptixPanel Compact - Aluminum - Widescreen

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 (9 ÷ 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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AMERICAS: Rockwell Automation, 1201 South Second Street, Milwaukee, WI 53204-2496 USA, Tel: (1) 414.382.2000, Fax: (1) 414.382.4444

EUROPE/MIDDLE EAST/AFRICA: Rockwell Automation NV, Pegasus Park, De Kleetlaan 12a, 1831 Diegem, Belgium, Tel: (32) 2663 0600, Fax: (32) 2 663 0640

ASIA PACIFIC: Rockwell Automation SEA Pte Ltd, 2 Corporation Road, #04-05, Main Lobby, Corporation Place, Singapore 618494, Tel: (65) 6510 6608, FAX: (65) 6510 6699

UNITED KINGDOM: Rockwell Automation Ltd., Pitfield, Kiln Farm, Milton Keynes, MK11 3DR, United Kingdom, Tel: (44)(1908) 838-800, Fax: (44)(1908) 261-917

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