

MobileView™ Tethered

A Mobile Operator Interface Solution

While manufacturing applications are becoming more complex, staffing resources are becoming leaner – increasing the need to access and view application information beyond the control panel. The Allen-Bradley® MobileView Tethered Operator Interface expands the visualization portfolio of products – taking terminals mobile while increasing operator productivity. With a hardwired E-stop and 3-position enabling switch, the terminal helps contribute to a safe production environment.

A mobile operator interface can be used in many industrial applications without compromising safety. MobileView can be effective in applications with line of sight requirements, setup/calibration activities where an operator needs to be near an application with access to operator interface, and maintenance applications.

Benefits

Enhanced performance and execution on a single hardware platform

Increase operator productivity

- Reduce time by having the operator terminal within line of sight of process
- 5 m, 10 m or 15 m cable with “quick connect” connector and mounting bracket options
- Optional software assignable function keys with either hardwired momentary push button or key switch

Establish a safer environment

- Hardwired E-stop and 3-position enabling switches for additional safety
- 1 m drop rated to work in industrial environments
- Available with E-stop that is illuminated red when the safety circuit is active

Innovative Design

- 10" wide display (1280 x 800) with resistive touch screen for easy viewing
- Windows® Embedded Standard 7 operating system that is optimized for FactoryTalk® View ME Station
- Internal SD card for application and data log storage



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MobileView with Illuminated E-Stop and IP65 Junction Box

The new IP65 junction box for use with second generation MobileView™ tethered operator terminals provides a smart, On-Machine™ solution for visualization applications requiring mobility including thin client applications. E-stop bridging allows the MobileView terminal to be unplugged from the IP65 junction box without tripping the E-stop circuit, making it easier for operators to move around the facility and increasing uptime. Box ID feature provides location awareness, which allows the MobileView terminal to know where on the manufacturing line it's located.



Our second generation MobileView tethered HMI has all the mobility features of the first generation product with the addition of an illuminated E-stop, ability to work with the IP65 junction box and the option to be used as a thin client.

The E-stop is illuminated red when the safety circuit is active. This visual signal to the operator contributes to increased safety.

When used as a thin client, the second generation MobileView HMIs allows you to manage all MobileView devices from a central server. Centrally managing HMIs using our ThinManager software reduces the time and cost associated with updating the devices.

All MobileView terminals are ThinManager compliant.



Optional pushbutton
or key switch available on
first generation terminals

Hardwired E-stop

USB port to copy
application files

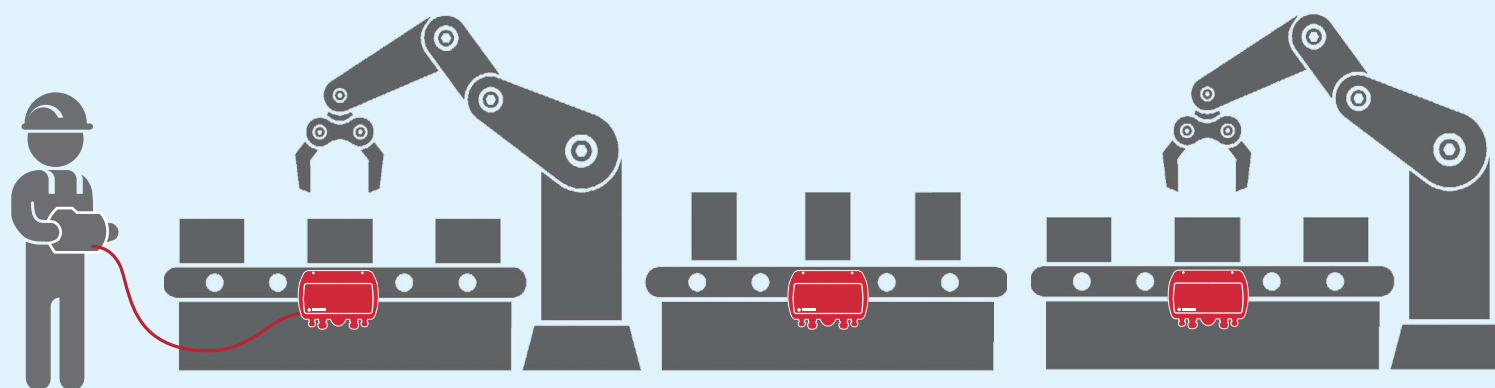
3-position
enabling switch

Hardwired illuminated
E-stop available on
second generation terminals



Optional software assignable function keys

View Your Entire Application
with a Single Graphic Terminal



MobileView Tethered Graphic Terminals

Attribute	Cat. No. 2711T-						
	T10R1N1	B10R1K1	B10R1M1	T10G1N1	F10G1N1	B10I1N1	T10I1N1-TC
GENERAL							
Processor	Intel Atom 3815, 1.46 GHz						
Operating system	Microsoft® Windows embedded standard 7 SP1 optimized for FactoryTalk View ME						ThinManager compatible
Memory/Storage	4 GB DRAM/32 GB flash / 2 GB SD card						4 GB DRAM
Display	Size: 10.1 in., Color/resolution: WXGA/1280 x 800 pixels, resistive touch screen						
Function keys	No	Yes	Yes	No	Yes	Yes	No
3-position enable switch	Yes – for left hand operation						
E-stop	Yes – red E-stop	Yes – red E-stop	Yes – red E-stop	No – gray stop	No – gray stop	Illuminated E-stop	Illuminated E-stop
USB drive slot	Yes						
Communication	10/100 Ethernet						
Dimensions	Diameter: 349 mm (13.74 in.), Depth w/o handle: 70 mm (2.75 in.), Depth with handle: 110 mm (4.33 in.)						
Weight	1550 grams (3.4 lbs)						
ELECTRICAL							
Nominal supply voltage	24V DC						
Supply voltage range	19.2...30V DC						
ENVIRONMENTAL							
Operating temperature	0...45 °C (32...113 °F)						
Protection degree	IP65						
Vibration (operating)	10...57 Hz, 0.15 mm p-p, 57...150 Hz, 1 G peak						
Shock (operating)	15 G (1/2 Sine, 11 msec) IEC 60068-2-27						
Drop rate	1 m (39.37 in.)						

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Accessories

Cat. No.	Description	Compatible MobileView
2711T-5MCABLE	Connection cable (5 m/16.4 ft) connects terminal to junction box	First generation MobileViews (T10R1N1, B10R1K1, B10M1N1, T10G1N1, F10G1N1)
2711T-10MCABLE	Connection cable (10 m/32.8 ft) connects terminal to junction box	
2711T-15MCABLE	Connection cable (15 m/49.2 ft) connects terminal to junction box	
2711T-JBIP20DC	IP20 junction box, 24V DC powered	
2711T-JUMP	Bridge connector for bypassing E-stop contactors in MobileView junction box, ¹ to be used only with IP20 junction boxes	
2711T-JBIP65DC1	MobileView accessory, junction Box, IP65, DC, no options CORD GRIPS, 24V DC	Second generation MobileViews (B10I1N1, T10I1N1-TC)
2711T-JBIP65DM1	MobileView accessory, junction Box, IP65, DC, no options ON MACHINE, 24V DC	Second generation MobileViews (B10I1N1, T10I1N1-TC)
2711T-5MCABLE2	Connection cable (5 m/16.4 ft) connects terminal to junction box, 22 pin	Second generation MobileViews (B10I1N1, T10I1N1-TC)
2711T-10MCABLE2	Connection cable (10 m/32.8 ft) connects terminal to junction box, 22 pin	Second generation MobileViews (B10I1N1, T10I1N1-TC)
2711T-15MCABLE2	Connection cable (15 m/49.2 ft) connects terminal to junction box, 22 pin	Second generation MobileViews (B10I1N1, T10I1N1-TC)
2711T-JBBKCOVER	IP65 junction box in-cabinet back cover accessory plate	Second generation MobileViews (B10I1N1, T10I1N1-TC)
2711T-22JUMP	Black bridge connector for bypassing E-stop contactors in MobileView junction box, ¹ to be used only with IP65 junction boxes	Second generation MobileViews (B10I1N1, T10I1N1-TC)
2711T-BRACKET	Mounting bracket for storage of terminal and connection cable	First and second generation MobileViews
2711T-VMBRACKET	MobileView accessory VESA mount bracket	First and second generation MobileViews

¹ For applications where the customer plans to move one MobileView terminal between many MobileView junction boxes.