



# iSMART PARTITION GLASS

*Opening up new dimensions*

Adding displays in the platform area can be a challenge. So why not install partition glasses, and integrate the display into them? This is one of the main concepts behind Wabtec's iSmart Partition Glass: Smart integration of a removable double-sided display into a glass partition.

iSmart Display portfolio provides aesthetic design and high visual rendering through lean design, immersive experience, seamless integration and smart technology.

## KEY FEATURES

### Easy Maintenance

The display can be removed from the glass partition without disassembling the partition glass itself.

### High Safe Load Partition at Only 30 mm Thick

iSmart partition glass is made of an innovative, very-compact stack of two TFT screens inserted between 2 safety glasses.

### Double Sided

Independent content on each display side.

### Low Consumption

Wabtec's unique back light technology reduces the energy consumption of the iSmart Display by 40% and increases its lifetime.



**PRODUCT'S LEVEL OF MATURITY**

Concept    **Under Development**    Available

**PRODUCT SPECIFICATION****TFT PANEL**

Technology	LCD TFT
Screen diagonal	21.5" (other size on request)
Aspect ratio	9:16
Maximum brightness	700 cd/m <sup>2</sup> (typ.)
Contrast	1000:1 (typ.)
Viewing angle	Horizontal 176° (typ.), vertical 176° (typ.)
LED backlight lifetime	100,000 h

**CONTROLLER**

Operating system	LINUX
Ethernet network	100 MBit/s
Protocols	VDV301, ITxPT, HTML, MQTT, SNMP, WebRTC, RTSP, TrainIT, TRDP (IEC61375-2-3), CIP, IPTCOM...

**HOUSING**

Enclosure material	Glass + aluminum
Protection class acc. EN 60529	IP54 (higher on request)
Glass	Safety glass
Thickness of the partition	30 mm
Maximum safe load	2 kN / 0.01 m <sup>2</sup>

**OPERATION**

Temperature range in operation	EN 50155 OT3, -25 °C to +70 °C
Power supply	110 V DC, 72 V DC, 24 V DC

**STANDARDS**

Interior glazing for rail vehicles	EN17530
Electronics for rail vehicles	EN 50155
EMC	EN 50121-3-2
Fire safety	EN 45545-2
Shock and vibration	EN61373 – 1B

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