# INFOTAINMENT DISPLAY SMART 18.5" IN FULL-HD

## ON-BOARD PASSENGER INFORMATION SYSTEM

## FEATURES

- High image quality in Full-HD resolution
- With brightness-sensor and dimming-function
- Elegant aluminum profile

## THE RIGHT SCREEN FOR EVERY USE

Each day, Luminator Technology Group's infotainment systems provide informational and promotional content to millions of people worldwide. And there's a good reason for that - at Luminator, we know how much our customers value energy-savings and operational efficiency. That's why our solutions combine durability, the best possible functionality and the greatest possible efficiency. With a variety of enclosures and connection combinations – we can satisfy a variety of applications. And if not, we will adapt the product for your needs regardless of where your buses are driving.

## OUR MOST POPULAR SCREEN SOLUTION

What makes Smart Infotainment so smart is its versatility. This screen has been installed in a wide variety of different vehicles all around the globe and will doubtlessly continue to be one of our most-used screens. Whether you just want to display information or would like to include promotional videos: Smart Infotainment is reliable, simple to operate and can be easily integrated into the vehicle.

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## TECHNICAL DATA

| Order Information | |
|---|---|
| Order Number Gorba | **Slave**: 101-1184 / 27.89.43.70.235<br>**Compact ARM Q7**: 130-5108 / 27.89.24.70.317 (ITS38B0L-00.0A-HS-IMO)<br>**Compact ARM x86**: 130-6674 / ITS38B0L2-00.0A-HS-IMO<br>**IP/Ethernet ARM x86**: 130-6880 / ITS38B0I2-00.0A-HS-IMO |
| Order Number Lawo | **Slave**: 101-1184 / ITS18B0F-00.0A-HS<br>**Compact Q7 ARM**: 101-1139 /TS38B0L-00.0A-HS<br>**Compact ARM x86**: 130-6674 / ITS38B0L2-00.0A-HS-IMO<br>**IP/Ethernet Q7 ARM**: 101-1176 / ITS38B0I-00.0A-HS<br>**IP/Ethernet ARM x86**: 130-6880 / ITS38B0I2-00.0A-HS-IMO |
| Order Number Mobitec Sweden | **Slave**: 101-1184 / TH10S0205-100<br>**IP/Ethernet**: 130-5110 / TH10C0005-100 (ITS38B0I-00.0A-HS-MOB) |
| **Display** | |
| Technology | TFT/LCD |
| Size | 18.5 Inch |
| Aspect Ratio | 16:9 |
| Color Depth | True Color (16.7 million colors) |
| Active Display Area | 409 mm x 230 mm |
| Resolution | 1.920 x 1.080 (Full-HD) |
| Brightness (without front-glass) | Max.  500 cd/m² (Nits) |
| Contrast Ratio (without front-glass) | Max. 1.000:1 |
| Viewing Angle (without front-glass) | 178° (h), 178° (v), ultra-wide viewing |
| Backlight | LED |
| **Computer** | |
| Processor | **Option 1**: Q7 ARM Cortex A9 i.MX6<br>**Option 2**: Q7 x86: Intel Atom x5-E3940 |
| Memory | 8GB (Flash) eMMC |
| RAM | 1GB |
| **Software** | |
| Operating System | LINUX Debian 9 |
| Apoplications | icenter \| AccessWeb \| InfoTED \| Luminator Suite |
| Update | manually via USB \| automated via IP/Ethernet - e.g. FTP-Services |
| **Electrical Properties** | |
| Operating Voltage | 24 VDC (16.8 VDC - 32 VDC) |
| Power Consumption | max. 30 W |
| Current Consumption | max. 1.25 A at 24 VDC |
| Reverse polarity protection | Yes |
| **Interfaces** | |
| Power in | 15-pin MCP |
| Car Hold Signal | 1 x (only Compact variant) |
| Ethernet | 1 x M12 (only IP/Ethernet and Compact variant) |
| IBIS-Slave (VDV 300) | 1 x (only Compact variant) |
| USB | 1 x (only IP/Ethernet and Compact variant) |
| Video Input | 1 x DVI-D \| 1 x DP \| 1 x VGA (only Slave variant) |
| Audio out | 1 x (only Compact variant) |

**LUMINATOR** TECHNOLOGY GROUP

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| Mechanical Properties | |
|---|---|
| Weight | 6 kg |
| Housing Dimensions | 470 mm x 300 mm x 67 mm |
| Housing Type | Aluminum profiles |
| Housing Finishing | Anodized aluminum |
| Housing Color | Champagne |
| Front glass | ESG |
| **Environment** | |
| Operating Temperature | - 20°C to 50°C |
| Storage Temperature | - 20°C to 70°C |
| MTBF | 70'000 hrs |
| Ingress Protection | IP20 |
| Cooling | Passive |
| **Standards** | |
| ECE-R10 (Electromagnetic Compability) | Compliant |
| ECE-R118 (fire resistance of materials used in buses) | Compliant |
| ITxPT | Compliant (only IP/Ethernet and Compact variant) |
| VDV-300 | Compliant (only Compact variant) |
| VDV301 | Compliant (only IP/Ethernet and Compact variant) |
| E-mark number | E1:10R-057347 |
| **Drawings** | |
| 3D Drawing | **Slave**: ITS180F-00.0A.zip<br>**IP/Ethernet and Compact Q7 ARM**: ITS380L-00.0A_a.zip<br>**IP/Ethernet ARM x86**: its38b0.zip |
| 2D Outline | **Slave**: ITS18B0F-00.0A-HS_TH10S0205-100_27.89.03.01.235.0.pdf<br>**Compact: Q7 ARM**: ITS38B0L-00.0A-HS_27.89.03.01.317.pdf<br>**Compact Q7 x86**: ITS38B0L2-00.0A-HS-IMO.pdf<br>**IP/Ethernet Q7 ARM**: ITS38B0I-00.0A-HS_TH10C0005-100.pdf<br>**IP/Ethernet Q7 x86**: ITS38B0I2-00.0A-HS-IMO.pdf |

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