DRIVER ASSISTANCE DISPLAY

BC7433

Based on the new, modular BC7 display family from GERSYS, a display device was developed for DB Systel's FASSI driver assistance system, which meets all the requirements of the service description. The terminal forms the hardware basis for FASSI with a high-quality IPS TFT display, which ensures excellent readability in both landscape and portrait mode, a long-term available processor and an embedded operating system. Operation via a vandal-proof PCAP touch (in laminated glass technology) also enables the use of apps thanks to its multi-finger capability. Integrated GPS and LTE assemblies form the basis for current and future applications for driver assistance systems.

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TECHNICAL DATA
BC7433 DRIVER ASSISTANCE DISPLAY

Device name: Art.-No.:	BC7433 649-74330-00	BC7433 649-74331-00	BC7433 649-74332-00	BC7433 649-74333-00
Short description	Built-in device with FASSI-Cube mount	Fixed desk mounted device with integrated GPS and LTE module, power	Surface-mounted device in the outer housing for mounting arm attachment M12 hybrid connector	Built-in device with FASSI-Cube mount
Main processor	Intel x5 E3940 Quad Core 1.6 / 1.8GHz, 2MB L2 Cache, i-temp			
Main memory	4 GB DDR3L			
Flash memory	128 GB MLC CFast, 16 GB eMMC			
Operating system	Windows 10 IoT Enterprise (alternatively Linux, QNX, Android)			
Display	10.4" TFT display, XGA 1024 x 768, IPS technology (85° H and V)			
Touch	Backlighting with LED, max. 900 cd/m², automatically / manually adjustable			
Keyboard	PCAP (Projected Capacitive Touch) with laminated glass (LSG) protective pane			
Interfaces and I/O's	6 short-stroke keys, backlighting with LED, automatically adjustable, abrasion-resistant foil			
Power supply	Rear: M12 connections: 2x Ethernet 100 MB, 1x RS232, 1x ext. speaker	24 V DC to 110 V DC +/-40% in accordance with EN 50155 with short-time UPS	24 V DC +/-40 % with short-time UPS	24 V DC to 110 V DC +/-40 % in accordance with EN 50155 with short-time UPS
On-board network connection plug connection	Front: 1x USB via M12 under the USB flap	M12-S- coded, input plug, output socket	42 V limitation resulting from M12 hybrid connection	M23 circular connector, 6-pin, connector on the device side
Monitoring and IO processor for:	Temperature and brightness control, watchdog, status and diagnostic functions, UPS control, power ON/OFF, power management			
Conformity to standards	EN 50155, EN 50121, EN 61373, EN 45545-2			
MTBF	>100,000 h (field value with comparable HMI)			
Operating temperature	-25 °C …. +70 °C, class T3 in accordance with EN 50155			
Ingress protection	IP 41 (USB flap, service flap and connector closed)			
Dimensions	Front: 310x214 mm Installation depth: 45 mm plus FASSI-Cube	Front: 310x214 mm Installation depth: 45 mm	Front: 310x214 mm Total depth: 60 mm	Front: 310x214 mm Installation depth: 45 mm plus F.-Cube
weight approx.	3.3 kg plus FASSI-Cube	3.2 kg	3.6 kg	3.2 kg

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