



HMI 7 Ultra Sx



HMI 7 Ultra Lx

digsy® HMI 7 Ultra

Compact and economical human machine interface family for mobile applications, optimized to operate in direct sunlight.

Programmable in CODESYS V3.5 according to IEC 61131-3.

digsy® HMI 7 Ultra human machine interface family consists of four versions with different interface configurations. With its integrated PLC and CAN-master capability, it is the perfect solution for small and midsize applications, which require a cost-effective control and visualization system. Special features of these HMIs are the very good readability in direct sunlight and the wide viewing angle from all directions. Additionally, up to ten free programmable keys with tactile feedback are available

Technical data / Order information

Product	digsy HMI 7 Ultra SB	digsy HMI 7 Ultra SE	digsy HMI 7 Ultra LB	digsy HMI 7 Ultra LE
Order code	4885.90.070	4885.90.071	4885.90.075	4885.90.076
Display size / format	7" / 17:10	7" / 17:10	7" / 17:10	7" / 17:10
Resolution	1024x600 (WSVGA).	1024x600 (WSVGA).	1024x600 (WSVGA).	1024x600 (WSVGA).
Backlight / contrast ratio	1000 cd/m ² / 800:1	1000 cd/m ² / 800:1	1000 cd/m ² / 800:1	1000 cd/m ² / 800:1
Viewing angle (all directions)	85°	85°	85°	85°
Optical bonding	✓	✓	✓	✓
Touchscreen (PCAP)	✓	✓	✓	✓
Function / navigation keys	-	-	6 / 4	6 / 4
Key illumination	-	-	LED, RGB, individually controllable and dimmable	
CPU / Clock rate	i.MX 6SX / 792MHz	i.MX 6SX / 792MHz	i.MX 8X / 900MHz	i.MX 8X / 900MHz
Flash / RAM / FRAM	8 GB / 512 MB / 8 kB	8 GB / 512 MB / 8 kB	8 GB / 1 GB / 8 kB	8 GB / 1 GB / 8 kB
Real Time Clock, battery buffered	✓	✓	✓	✓
CAN, 125 kBit/s...1 Mbit/s	1	3	1	3
CANopen / J1939 / Layer-2	✓ / ✓ / ✓	✓ / ✓ / ✓	✓ / ✓ / ✓	✓ / ✓ / ✓
Ethernet, TCP/IP, UDP	1x 100Mbit/s	1x 100Mbit/s	1x 1 Gbit/s	1x 1 Gbit/s
USB, Host, V2.0 / µSD Slot	1 / -	2 / -	- / -	2 / 1
Audio output	-	✓	-	✓
Inputs / Outputs 3A	- / -	4 / 2	- / -	4 / 2
Video, FBAS, PAL/NTSC	-	4	-	4
e1 certification	✓	✓	✓	✓

General:

- Operating voltage: 8...32V
- Operating temperature: -30°C... +70°C
- Storage temperature: -30°C... +80°C
- Shock- and vibration proof
- EMC proof according to automotive standards
- Environmental protection HMI 7 Ultra xB: IP67
- Environmental protection HMI 7 Ultra xE: IP65
- Dimensions of HMI 7 Ultra Sx: Appr. 207 x 133 x 46mm
- Dimensions of HMI 7 Ultra Lx: Appr. 209 x 166 x 42mm

Accessories:

- Cable for power supply and CAN, 2m, M12 socket - loose end 4308.32.042
- Y-cable for Ethernet and USB, 1,5m, M12 - RJ45, USB-A for HMI 7 Ultra Sx 4305.90.101
- Cable for Ethernet and USB, 3m, loose end, for HMI 7 Ultra Sx 4305.90.103
- Cable for Ethernet, M12 – RJ45, for HMI 7 Ultra Lx 4305.90.105
- Multi function cable, 3m, 26 pol. Deutsch connector – loose end 4305.90.104
- Front panel mounting kit for HMI 7 Ultra Sx 4305.90.202
- Front panel mounting kit for HMI 7 Ultra Lx 4305.90.203