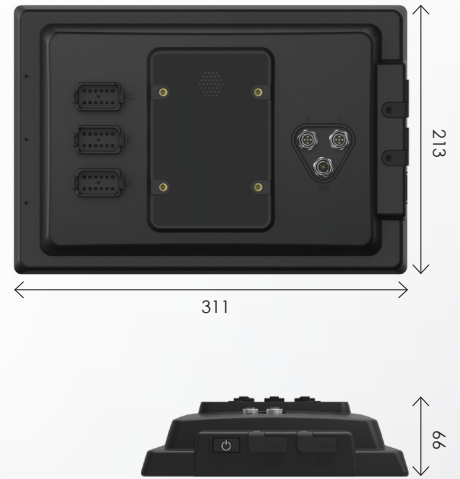




(mm)



## CCpilot VS FREELY PROGRAMMABLE MULTIFUNCTIONAL 12" DISPLAY

**CCpilot VS** is a 12" full-colour display with a powerful quad-core ARM CPU. The open LinX™ software platform offers a choice of powerful tools for application development. This, together with a WXGA high brightness display with optical bonding and hardware

accelerated 2D, 3D and vector graphics, enables fast design of premium user interfaces. CCpilot VS has multifunctional capability and can be used as instrumentation display, machine control HMI, video monitor, electronic manual and more. **Turn for technical specifications »**

### Standard models

PART NUMBER	OPERATING SYSTEM - LINUX	SOFTWARE PLATFORM - LINX™ BASE	CODESYS VISU	CODESYS WEBVISU	ISOBUS UNIVERSAL TERMINAL	ISOBUS TASK CONTROLLER
C000 139-212	•					
S020 139-212	•	•				
S022 139-212	•	•	•			
S024 139-212	•	•	•	•		
S1100 139-212	•	•			•	
S1000 139-212	•	•			•	•

# CCpilot VS PRODUCT SPECIFICATIONS

COMPUTING CORE	
<b>MAIN PROCESSOR</b>	Freescale i.MX6 Quad - 1 GHz. Runs freely programmable Linux system and LinX™ Software Suite base package.
<b>COPROCESSOR</b>	Runs watchdog functions controlling integrity of product, for increased reliability and safety.
<b>STORAGE</b>	4GByte NAND flash in pseudo-SLC mode for operating system and applications.
<b>RAM</b>	2GByte DDR3
<b>GPU</b>	Integrated Graphics Processing Unit supporting hardware accelerated 2D, 3D and vector graphics.

DISPLAY	
<b>TYPE</b>	TFT with LED backlight
<b>COVER LENS</b>	Glass. No surface treatment to achieve best resistance to scratches.
<b>SIZE AND RESOLUTION</b>	12" WXGA, 1280x800 pixels
<b>COLOR DEPTH</b>	24 bit
<b>CONTRAST RATIO</b>	700:1
<b>BRIGHTNESS*</b>	1350 cd/m²
<b>DIMMING</b>	Automatic dimming through ambient light sensor. Dimming can be controlled manually via touch screen.
<b>OPTICAL BONDING</b>	TFT and Touch Screen optically bonded

HMI	
<b>TOUCH SCREEN</b>	Projective Capacitive (PCAP) with 2-point multi-touch.
<b>SOFT KEYS</b>	On/Off button on left side of unit, with backlit symbol.
<b>BUZZER</b>	Buzzer for audible alerts, sound pressure level at 1m in front of the display is 85dB (2500-3500Hz).

INTERFACES	
<b>USB</b>	4 x USB 2.0. 2 in DIN M12 connectors, 2 in standard USB connector on left side of unit
<b>CAN</b>	4 x CAN, physical layer ISO11898 2.0B and J1939-11. Bitrate configurable 20 kbps - 1 Mbps.
<b>ETHERNET</b>	1 x Ethernet. 10BASE-T/100BASE-TX/1000BASE-T and Auto-MDIX. In DIN M12 connector.
<b>SERIAL</b>	1 x RS232, 1 x RS485
<b>INPUTS</b>	1 configurable input (analog 0-32V/digital). 1 analog input 0-14V.
<b>OUTPUTS</b>	6 x Digital out (on/off). High side up to 400/800mA.
<b>POWER SUPPLY</b>	12 or 24 VDC nominal voltage. Voltage range 9-32 VDC. CPU and communication operational down to 7,5 VDC.
<b>POWER BACKUP</b>	Withstands 10ms power interrupt and features safe shutdown.
<b>KEY SWITCH</b>	1 Key switch input, for start-up/shutdown.
<b>VIDEO</b>	1 x Analog Video input. NTSC or PAL.

SOFTWARE	
<b>OPERATING SYSTEM</b>	CrossControl Linux (Yocto project-based Linux distribution with Wayland window manager).
<b>BSP &amp; SDK</b>	Yocto project board support package and software development kits enabling development of customized Linux images, drivers and applications.
<b>CCAUX API</b>	Power management, diagnostics, startup and shutdown behavior configuration, button configuration, LED control, buzzer, etc.
<b>SOFTWARE APPLICATION PLATFORM</b>	LinX™ Software Suite, basic package. Extension modules available, eg. CODESYS.

ENVIRONMENT	
<b>IP CLASS</b>	IP65
<b>EMC CONFORMITY</b>	Emission: EN ISO 14982:2009. Immunity: EN ISO 14982:2009, ISO 11452-2:2004, ISO 11452-4:2011. Transient: EN ISO 14982:2009, ISO 7637-2:2011. ESD: EN ISO 14982:2009, ISO/TR 10605:2008
<b>VIBRATIONS</b>	IEC 60721-3-5 Class 5M3, IEC 60068-2-64 10-200Hz - 0,03g²/Hz 200-500Hz - 0,01g²/Hz 3x4h ~3grms
<b>SHOCK</b>	IEC 60721-3-5 Class 5M3, IEC 60068-2-27:2007 30g/11ms - 3 x ±1000 impulses
<b>TEMPERATURE RANGE (°C)</b>	Operating: -30 to +70 Storage: -30 to +80

ENCLOSURE	
<b>HOUSING MATERIAL</b>	Reinforced nylon
<b>MECHANICAL INSTALLATION</b>	Mounting on stand/arm with VESA75 bracket.
<b>CONNECTORS</b>	3 x DT multipin connectors, 12 pins each 3 x DIN M12 (2 x USB, 1 x Ethernet) 2 x USB standard connectors available on the units left side

SIZE AND WEIGHT	
<b>W x H x D (mm)</b>	311 x 213 x 66
<b>WEIGHT (kg)</b>	2.0

\* Typical values

**crosscontrol**  
AN ACTUANT COMPANY

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