

Release note

Epec 6107 Display Unit

Epec is now releasing a high-performance, rugged, reliable and easily configurable full-color display specially designed for mobile machinery. Combining modern computing, software and display technology, Epec 6107 Display Unit is an ideal solution for the most demanding heavy duty applications like mining machines, excavators, agricultural machinery, wheel loaders, etc.

Freely programmable graphical user interface provides an opportunity to maximize machine usability and efficiency, while still keeping the interaction simple and user friendly.

Epec 6107 Display Unit is equipped with two CAN bus interfaces, one Ethernet and two USB interfaces together with RS232 serial interface via M12 and AMP23 connector. These interfaces allow the machine to be connected to higher level information systems, such as databases for monitoring production.

PROGRAMMABLE GRAPHICAL USER INTERFACE WITH CODESYS 3.5

Epec 6107 Display Unit is CODESYS 3.5 programmable to fulfill all the needs required of a central operator interface for mobile machines. CODESYS 3.5 can be used to design display gauge meters, icons, buttons, texts, etc. Typically the display application may have several windows, and is used to adjust and store system parameters, application back-up copies, system event logs, etc. In addition to CODESYS 3.5, a range of powerful software tools to enable efficient implementation of your application are also available.

KEY CHARACTERISTICS:

- High CPU performance
- Internal graphics processing unit (GPU)
- Open software application platform with CODESYS 3.5 visualization
- 2 x CAN / 1 x Ethernet / 2 x USB
- Support for CANopen and SAE J1939
- Flash 4 GByte
- RAM 1024 MByte
- Non-volatile memory 512 kByte

7" DISPLAY PANEL:

- Wide viewing angles and bright display panel (800 nits) with an excellent sunlight readability
- High colors
- High-end graphics
- LED backlight (70,000 hours lifetime)

PRODUCT CODE FOR EPEC 6107 DISPLAY UNIT E30D6107-01



CHOOSE BETWEEN PANEL AND FRAME MOUNTING

The design and unique shape of the unit housing works to protect the electronics inside against mechanical wear.

The display supports both panel and frame mounting. Fully enclosed aluminum housing provides water and dust proof operation. Epec 6107 Display unit is a widescreen display with a resistive touch screen. Wide viewing angles and high brightness offer good readability also in direct sunlight.



**PRODUCT CODE FOR PANEL MOUNTING KIT FOR 6107 DISPLAY UNIT
E30802471**

**PRODUCT CODE FOR SMALL MOUNTING PEDESTAL FOR 6000 SERIES DISPLAY UNITS
E30802473**



EPEC 6107 DISPLAY UNIT									
RESOLUTION	WVGA 800 X 480 PIXELS		TOUCH SCREEN	RESISTIVE		PROCESSOR	ARM CORTEX A9 DUAL CORE		
OPERATING SYSTEM	LINUX	PROGRAMMING	CODESYS 3.5		MEMORY (FLASH/RAM/NVRAM)		4 Gbyte/1024 Mbyte/512 kByte		
SIZE	185 X 128 X 49,5 mm		WEIGHT	1,1 kg	IP	66			
NOMINAL OPERATING VOLTAGE	12/24 VDC		FULL OPERATING RANGE		8,4 ... 36 VDC		OVERVOLTAGE PROTECTION	70 VDC	
OPERATING TEMPERATURE	-30 ... +70°C		CONNECTORS	1 X AMP23		5 X M12			
I/O INTERFACE, CONFIGURATION EXAMPLE	2 X DI		2 X DO/DI		1 X AI/DI		I/O PINS TOTAL	5	
COMMUNICATIONS	2 X USB (1.1 AND 2.0)		1 X ETHERNET 10/100		1 X RS232		2 X CAN		

EPEC LAUNCHES A NEW SDK PACKAGE, VERSION 1.7

Epec Software Development Kit is a package that includes Epec software tools and libraries needed to develop applications for Epec’s CODESYS programmable Control units and HMI devices.

SDK 1.7 includes a large amount of improvements to Epec MultiTool and PLCopen libraries, for example, it has improved Multitool support and an updated set of PLCopen libraries for CODESYS 3.5 programmable devices like Epec 6107 display unit.

As a totally new feature, MultiTool now has the possibility to edit parameter export files. The user can, for example, edit application parameter texts, hierarchy, adjustment range, etc. used in HMI device’s user interface. A parameter export file can be imported to Epec 6107 display unit, which has PLCopen libraries supporting this file, making it easy to adjust control system parameters. A parameter export file can also be imported to Epec CANmoon 3 to adjust control system parameters.

SDK 1.7 supports CODESYS 3.5 versions SP4 and SP4 patch 3. CODESYS 3.5 IDE installers can be found from Epec Extranet.

DELIVERY TIME: ACCORDING TO THE STANDARD EPEC DELIVERY TIME

NEXT EPEC 6107 DISPLAY UNIT PRODUCT TRAINING: NOV 4-6.2014, SEINÄJOKI, FINLAND