TECHNION

xConnect

Bringing the machine application to mobile displays

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xConnect

Controlling your system with smartphones and tablets

Smartphones and tablets give much better user experience than expensive purpose-built displays in working machines.

The new **xConnect** system enables your machine's application to run in tablets and smart phones. The only requirements are wifi and web browser. With **xConnect**'s purpose-built I/O, nice feature set of communication buses, and 3G/4G modem, it makes the perfect choice for a module in the cabin. **xConnect** supports analog inputs for connecting joysticks and potentiometers, digital inputs for switches, multiple USB ports for keyboards and other USB devices, ethernet, and several CAN buses to connect different CAN subsystems into the module.

Benefits

- Replaces the machine display with a portable device
- Wireless data transfer from and to the machine with smartphone or internal modem
- Provides remote monitoring and location data for the machine or complete fleet
- Fast and easy to build your company look and feel for the graphical user interface
- Data collection from the machine
- Remote diagnostics
- Possible to adjust the machine parameters remotely
- Easy access for up to date manuals, e-mails, etc.
- Remote software updates

Product specification

CPU	iMX6UL, Arm Cortex-A7
Memory	4GB for application
	RAM 256 MB
Supply voltage range	9V - 32V (operational overvoltage 36V)
Housing	Polycarbonate / 170mm x 176mm x 50mm (W x L x H)
Temperature range, operating	-40...+65°C
Temperature range, storage	-40...+85°C
Protection	IP67
Connectors	AMP Superseal
	M12 D-coded, socket (ethernet)
	M12 B-coded x 2 pcs, socket (USB)
	USB type A
	SMA (external antenna)
Other	2 x LED, real time clock
I/O & Communications	CAN x 6 pcs ISO 11898-2
	Ethernet
	USB x 3 pcs
	Analog input x 8 pcs
	Analog reference 5v x 2 pcs
	Digital output x 4 pcs
Wireless	WLAN, Bluetooth
Electrical requirements	ISO 16750-2
Mechanical requirements	ISO 16750-3
Climate requirements	ISO 16750-4
Construction machinery- EMC	EN 13309:2010
Agricultural and forestry machinery- EMC	EN ISO 14982:2009
Earth moving machinery- EMC	EMC ISO 13766:2006
Application development environment	Linux
Optional features	Back-up UPS
	3G / 4G Modem with GPS

Contact Information

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Order Options

xConnect   Standard version
xConnect PRO   Standard version with UPS
xConnect PRO 3G / 4G   Standard version with UPS, 3G / 4G modem and GPS

Technion Partner