POLYHEX
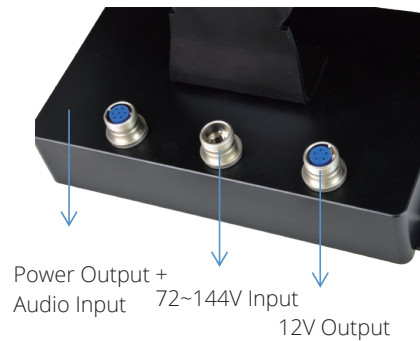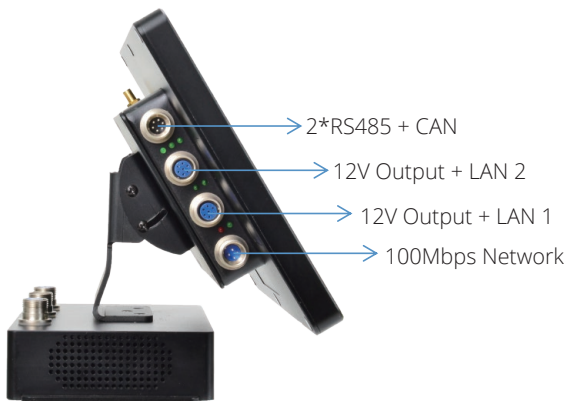
PPC-MX8MN-10A Panel Computer for Locomotive

Features:

· i.MX 8M Mini CPU, 4 x Cortex-A53 core + 1 x Cortex-M4 core processor

· Supports Android10 and ubuntu18.04, internal integrated network switch

· Equipped with 3 x digital silicon microphones, 2 x 8W loud speakers, 1 x ambient light sensor and 1 x camer

· With 4G module, 2 x RS485 outputs, 1 x CAN output, USB A and USB-TypeC interfaces

· Adapt to 72~144V high voltage input of locomotive with 12V output interface

Interfaces Specification:

2*RS485 + CAN
12V Output + LAN 2
12V Output + LAN 1
100Mbps Network

Power Output + Audio Input
72~144V Input
12V Output

4G Antenna
Power + Audio
TF Card
SIM Card
USB-Type-C
USB A
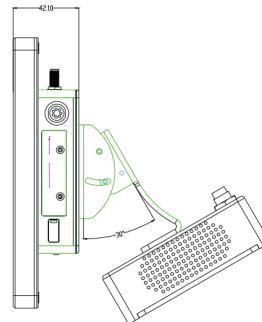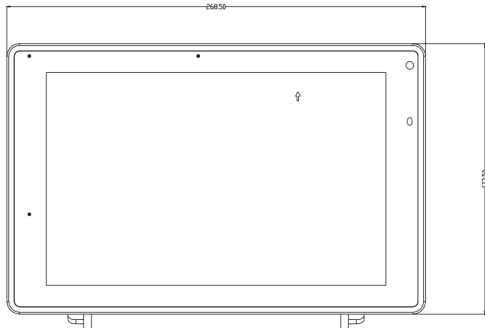

SGS ISO13485 SGS ISO9001 CE FC RoHS 2002/95/EC CCC

ABOUT POLYHEX

As a board level and system level designer and manufacturer, Polyhex, with 9 years' experience, always delivers best-in-class embedded computing solutions based on both ARM and X86 architecture, including hardware customization and software debugging etc. Partnered with silicon venders like Intel, NXP, ST, Rockchip, Allwinners and so on, we have earned trust from clients worldwide in over 30 countries. Polyhex is also certified with ISO9001 and ISO13485 for the self-owned manufacture facility.

POLYHEX
Beyond the Embedded Deployment

Specification:

CPU	MIMX8MM6CVTKZAA:Quad Cortex®-A53, 1.6GHz (Support Consumer&Industrial i.MX8M Mini SoloLite/Solo/DualLite/Dual/QuadLite/Quad)
LPDDR4	Onboard 4GB , Support2GB
Flash	32GB eMMC5.1, Support 8GB/16GB/64GB/128GB
WIFI&BT	WIFI-2.4GHz/5GHz、BT4.0
LAN	1x 10/100/1000M LAN Port
SDIO	1x SDIO
HDMI	1x HDMI OUT
CSI	1x CSI
DSI	1x DSI
PCIe	1x PCIe
USB	1x USB2.0、1x USB OTG
SPI	2x SPI
QSPI	1x QSPI
I2C	4x I2C
UART	3x UART
JTAG	1x JTAG
I2S	1x I2S
SAI	1x SAI，8 Channel
GPIO	16x GPIO
SPDIF	1x SPDIF
OS	Android10, Ubuntu18.04
Physical interface	MXM3.0 （Standard 314Pin）
Power In	5VDC/2A
Board Size	82mm*50mm*1.2mm
Panel Size	268.5*173.5mm

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