



## PPC-DT50 10.1" Panel Computer for Locomotive

### Features:

- i.MX 8M Mini CPU, 4 x Cortex-A53 core + 1 x Cortex-M4 core processor
- Supports Android 9.1 OS and Above
- 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:



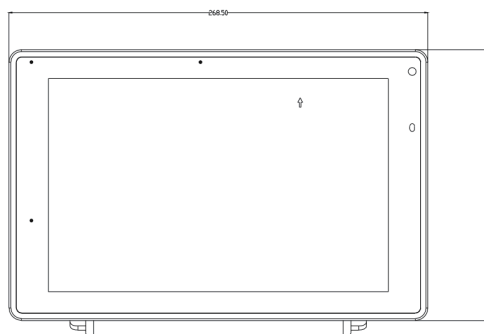
### ABOUT POLYHEX

As a board level and system level designer and manufacturer of ARM architecture embedded hardware solutions in China, Polyhex offers the cost-effective and high performance customized products worldwide in over 30 countries on the basis of the mainstream silicon vendors like NXP, ST, Rockchip, Allwinner and so on. Polyhex is also certified with ISO9001 and ISO13485 for the self-owned manufacture facility.



## Specification:

System	
CPU	MIMX8MM6CVTKZAA: Quad Cortex®-A53, 1.6GHz (Support Consumer&Industrial i.MX8M Mini SoloLite/Solo/DualLite/Dual/QuadLite/Quad)
LPDDR 4	Onboard 4GB , Support2GB (Operating Temp. -20℃~70℃)
Flash	32GB eMMC5.1, Support 8GB/16GB/64GB/128GB (Operating Temp. -20℃~70℃)
OS	Android 9.1 and above
Display	10.1" Screen(BOE), 500 White Luminance, 1280 x 800p
TP	Multi Touch Capacitive Touch Panel
Speaker	2W Speaker with waterproof sound transmission membrane (directly installed)
MIC	Built-in primary and secondary MIC with echo noise canceling
Light Sensor	Automatic brightness control function
Panel Size	268.5 x 173.5mm
Communication	
WIFI & BT	WIFI-2.4GHz/5GHz (Built-in wifi IEEE802.11a/b/g/n) , BT4.0
4G	Full Netcom 4G module
BD/GPS	Support
I/O Interfaces	
Power & Audio Interfaces	Power input + Audio differential output
TF Card	Installed on the panel, up to 128GB
SIM Card	Installed on the panel
USB	1 x USB Type-A, 1 x USB Type-C
100M LAN Ports	1 x 100M LAN, 1 x 100M LAN with 12V/GND output
RS485/CAN	2 x RS485 + 1 x CAN
Reset Button	Non self-locking reset button
Connectors	Connectors (processed by Chloroprene Adhesive), FPC connectors (reinforced by ACETATE)
Camera	
Pixels	Front camera, resolution > 1920 x 1080
Focusing	Automatic focusing
Charging Dock	
Power Input	1 x Power Input (DC72~144V)
Power Output	2 x Power Output (Each one 12V/1.5A)
Panel Connection Interfaces	Power Output + Audio Differential Input (connected with panel)
Battery	Built-in lithium cell for 10-min operation
Speaker	2 x Built-in speakers (8Ω 5W, waterproof sound transmission membrane)



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