

Panel PCs | Rail Series | GPC-RAIL-121

La serie Rail è composta da computer veicolari rugged progettati per l'uso in ambienti mobili, dotata di processori Intel Core ad alte prestazioni e compatibili con sistemi operativi Windows e Linux. Offre elevate capacità di elaborazione dati, gestione delle applicazioni e connettività di rete, mantenendo un'eccellente flessibilità nel multitasking.

Il sistema è resistente a vibrazioni e urti ed è certificato IP66 contro polvere e acqua. Integra un display LCD industriale con touchscreen capacitivo multipoint e supporta numerose opzioni di comunicazione, tra cui Wi-Fi, Bluetooth, rete cellulare 4G/5G, reti private LTE, GNSS e CAN bus. Alimentato tramite ingresso DC da 9 a 36 V, dispone inoltre di pulsanti frontali personalizzabili.

Features

- 12.1 inch LED screen, resolution: 1024*768
- Power Input: DC 9-36V, surge and pulse protection
- Whole machine IP66 water proof
- Multiple interfaces M12 type
- CPU: Max i7-10th; Win 7 / 10 / 11 and Linux system
- The front F1-F8 buttons support custom functions



Product Model

Product Size	12.1"
Series	Rail
Operating System	Windows - Linux
Reference	GPC-RAIL-121



Product Specifications

Screen Parameters

LCD Size	12.1" TFT LCD
Resolution	1024*800
Viewing Angle	89/89/89/89 (L/R/U/D)
Colour	16.7M
Brightness	350 nits, support 500 / 800 / 1000 nits
Contrast ratio	800:1

Touch Parameters

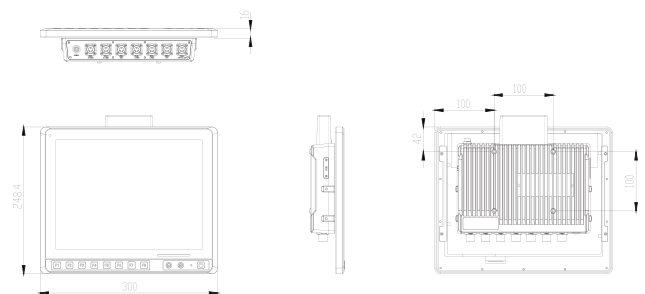
Touch type	10-point touch projection Capacitive touch screen	Single-point Resistive touch screen	Non-touch
Transmittance	≥95%	≥95%	≥95%
Input mode	Handwriting or Capacitive pen	Fingertip or stylus	/
Controller communication	USB	USB	/

Hardware Configuration

CPU	J1900; J6412; i3-4010U / i3-7100U; i5-4260U / i5-6200 / i5-7200U / i5-8260U / i5-10210U; i7-4650U / i7-7500U / i7-10610U
RAM	Low than 6th CPU: 1*DDR III-1600MHz, up to 8GB; More than 6th CPU: 1*DDR III-3200MHz, up to 16GB
Storage	1*MSATA 64GB / 128GB / 256GB / 512GB / 1TB
WiFi	7260an / 7260ac / AX210
GSM Module	4G+GPS; 5G+GPS
CAN card	2 road CAN



Product size



Overall dimensions: 300mm*249mm*58mm

Mother Board Specification

Power interface	DC 9-36V (Max to 1*M12 type port)
Display	1*VGA: (Max to 1*M12 type port)–Optional
USB	2*USB 3.0+2*USB 2.0 (Max to 2*M12 type port)
LAN	2*RTL8211F LAN chip (Max to 2*M12 type port)
EXPANSION	1*Mini PCIE slot for WIFI+1*M.2 slot for 4G
COM	4*RS-232+2*RS-485 / 422 / 232 (Max to 3*M12 type port)

Product Reliability

Working Temperature	-30°C to 70°C
Storage temperature	-30°C to 70°C
Relative humidity	Humidity: 95% Non-Condensing
Protection	Anti-static, Anti-pulse, Anti-surge, Anti-radiation
Certifications	EN 50155 / EN60945 / EN 62368 / CE / ROHS
Waterproof	Whole machine IP66 water proof