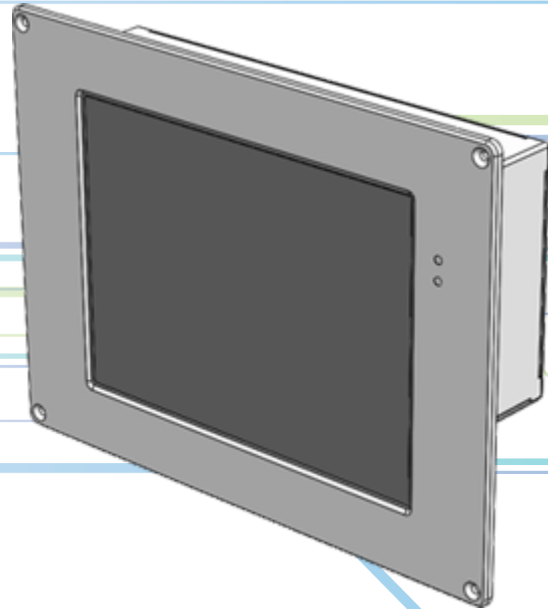




FEATURES

Display Characteristics 显示特征

- 10.4" Color TFT display 10.4" 彩色 TFT 显示屏
- Resistive touch-screen 电阻式触摸屏
- Resolution 1024 x 768 (XGA) 分辨率 1024 x 768 (XGA)
- Luminance > 600 cd/m² 亮度 > 600 cd / m²
- Contrast 700:1 (typical) 对比 700:1 (典型的)
- Viewing angle: -80° to +80° (H); -80° to +30° (V) 视角
- Dimmable LCD back-light 可调液晶背光

I/O Interfaces I/O 串口

- 2x Fast Ethernet ports (or optionally: 2x Gigabit Ethernet ports)
- 2x USB 2.0 maintenance ports
- 1x USB 2.0 maintenance port (service panel)
- 4x Digital Inputs; Optical decoupled
- 3x Digital Outputs; Optical decoupled
- Optional: MVB bus

The SYS-02530 -20 is an On-board Railway Panel PC based on the Intel® Atom™ Bay Trail-I Platform Quad-core microprocessor.

It integrates 32 GB of eMMC memory that can be expanded using the MicroSD card slot available behind the Service panel.

The SYS-02530 -20 integrates a 10.4" Color TFT display with resistive touch-screen and a resolution up to 1024 x 768 (XGA) with aspect ratio 4:3.

It provides the following I/O interfaces: 2 Fast Ethernet (or optionally: 2 Gigabit Ethernet), 2+1 USB 2.0 for maintenance, 4 Digital Inputs, and 3 Digital Outputs. MVB connection is optionally available.

The SYS-02530 -20 has been developed for railway applications: it is EN 50155 and EN 45545 compliant, and its operating temperature ranges from -25°C to +70°C, +85°C for 10 minutes.

sys-02530-20 上铁路平板电脑基于英特尔®原子™trail-i 平台四核微处理器。

它集成了 32 GB 的 eMMC 存储，可以扩大使用 microSD 卡槽服务背面板。

sys-02530-20 集成了 10.4 " TFT 彩色显示器与电阻式触摸屏，分辨率高达 1024 x 768 (XGA) 纵横比为 4:3。

它提供了以下 I / O 接口：2 快速以太网（或可选：2 千兆以太网），2 + 1 USB 2 的维护，4 个数字输入，和 3 个数字输出。MVB 总线连接是可选的。

sys-02530-20 已发展为铁路应用：它是 EN 50155 和 EN 45545 标准，它的工作温度范围从 - 25 ° C + 70 ， 85 ° C 运行 10 分钟。

Technical Specifications

Specifications		Description
Processor 处理器	CPU	Intel® Atom™ Bay Trail-I Platform Quad-core (come SYS-04225)
Memory 内存	RAM	4 GB, 1333 MHz (DDR3L-ECC)
Storage 存储	Flash	32 GB eMMC
	Other	1x MicroSD card receptacle (available behind the Service Panel; max size 32 GB)
Display 显示	Type	Color TFT display with resistive touch-screen
	Screen size	10.4"
	Resolution	1024 x 768 (XGA) with aspect ratio 4:3
	Luminance	> 600 cd/m ²
	Contrast	Typical 700:1
	Viewing angle (CR ≥ 10)	-80° to +80° (H); -80° to +30° (V)
	Back-light	Dimmable LCD back-light
LED indicators 指示灯		1x Power ON LED; Green (available on the Front Panel) 1x Power ON LED; Blue (available behind the Service Panel)
I/O interfaces I/O端口	LAN	2 x Fast Ethernet, M12 D-Coded 4-pin (or optionally: 2x Gigabit Ethernet)
	USB	2x USB 2.0 (for maintenance)
	MVB	Optional
	Digital I/Os	4x Digital Inputs; Optical decoupled 3x Digital Outputs; Optical decoupled
Service Panel interfaces 服务面板接口	LED indicator	1x Power; Blue
	Pushbutton	1x Reset pushbutton
	Expansion memory	1x MicroSD card receptacle
	USB	1x USB 2.0 (for maintenance)
	Console port	1x TTL Serial console port (for maintenance)
Other 其它	RTC	Yes, always coming up with integrity value when reaching the limit of retention time (at least 3 months)
	Watchdog	Yes, programmable via API (Start, Stop and Reset)
	Ignition functionality	Yes
	Temperature sensor	Internal temperature sensor (API available)
	Luminosity sensor	Yes
Power 电源	Input	Nominal 24 Vdc
	Consumption	35 W max
	Grounding	Grounding screw provided on the rear side

(continued on next page...)

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SYS-02530_DS_EN_1-0

Technical Specifications

Specifications		Description
Environment 环境	Operating Temperature	-25°C to +70°C, +85°C for 10 minutes (EN 50155 Class T3)
	Storage Temperature	-40°C to +85°C
Certifications 认证	Railway applications	EN 50155 - Ambient temperature: Class T3 - Interruptions of voltage supply: Class S2 - Supply change over: Class C1 - Vibration, shock and bump test: EN 61373 Category 1 Class B
	Fire protection	EN 45545-2 HL3
	Electrical safety	EN 60950
	Environmental	RoHS 2
	Ingress	Front: IP65; Rear: IP20
	MTBF	> 100000 hours (GB 25 °C)
Mechanical 机械	Enclosure	310 x 235 x 69 mm (W x H x D)
	Weight	5.5 kg (maximum)
Operating System	操作系统	Windows IoT Enterprise 10. Drivers and APIs support for 32 bit and 64 bit

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SYS-02530-20