

ROCKBOX-50155-2U

2U 19" Rack-mounted Complete PC

2U 19" rack-mounted complete PC, which adopts high-performance and low-power consumption processors. It can be applied in a wide-temperature environment and meets the requirements of EN50155 (European railway application standard) on electromagnetic compatibility, shock and vibration tests. It is a product for passenger information systems (PIS) for railways and subways.



Product Features



The 6th Gen embedded low-power consumption, high-performance platform



High-quality M12 LAN port dedicated to railway



Easy-to-maintain integral detachable expansion compartment design

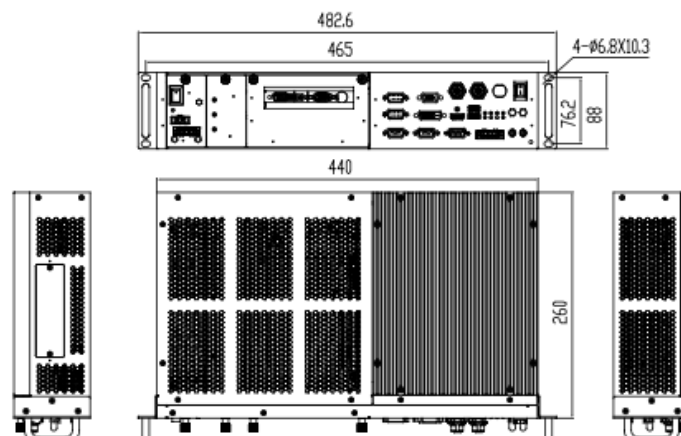


Meet the European railway standard EN50155



High-reliability and long-service life supercapacitor

Product Dimensions Drawing



Product Specifications

Item		Description
System Configuration	Processor	Onboard Intel®Core™ i7-6822EQ 2.0GHz (max. 2.8GHz) quad-core 8-thread Onboard Intel®Core™ i5-6442EQ 1.9GHz (max. 2.7GHz) quad-core 4-thread
	Chipset	Intel CM236
	Memory	Onboard DDR4 2133MHz 4GB memory; 1 × SODIMM slot (up to 16GB)
Storage		1 × mSATA port; 4 × SATA hard disk interface
Display		1 × VGA port; 1 × DVI-D port; 1 × HDMI port
I/O port	LAN	2 × M12-A 10/100/1000Mb LAN; 1 × M12-A 10/100/1000Mb LAN (optional)
	Serial Port	2 × DB9 isolated serial port (supporting RS-232/422/485 mode selection, all RS-232 by default); 2 × DB9 serial port (supporting RS-232/422/485 mode selection, all RS-232 by default)
	GPIO	8-channel GPIO (DB9 female connector)
	USB	2 × USB3.0 Type-A port
	Audio	Line In, Line Out 1 × Audio port (Phoenix terminal)
Expansion Bus		1 × 32bit PCI or 1 × PCIeX16 (PCIeX4 signal); 1 × Mini-PCIe; 1 × SIM
Operating temperature		-25°C ~ +55°C; 5% ~ 90% 40°C (non-condensing)
Storage Environment		-40°C~+70°C; 5%~90% 40°C (non-condensing)
Power supply		Pluggable AC, DC90-260V input (Phoenix terminal, customizable M23 aviation plug), lead-acid battery, supercapacitor (discharge time: ≥ 90S) optional
Dimensions (W×H×D)		482.4mm x88mm x 260mm

Ordering Information

Model No	Description
2U-i7-6822EQ	Intel i7-6822EQ 2.0GHz/4GB DDR4/128GB mSATA/2 × M12/4 × SATA hard disk/PCI/DC110V/ battery
2U-i5-644WEQ	Intel i5-6442EQ 1.9GHz/4GB DDR4/128GB mSATA/2 × M12/4 × SATA hard disk bay/PCIe/DC110V/ battery
2U-BATTERY	Battery module (assembly)/ROHS
2U-ADPTR	Power module (assembly)/ROHS
2U-UPS	Supercapacitor module (assembly)/ROHS