kontron

» MICROSPACE® MPCX28R «



MICROSPACE®

The compact fanless railway computer EN50155 certified

» Intel® Atom™ based
» Gateway, passenger entertainment, passenger safety
» For 24-110V galv. 1.5kV isolated power supply
» EN50155 certified, M12 connectors, 1500V isolation

Technical Information

Processor / Performance		Intel® Atom™ Z530 / 1.6GHz	
SATA exchangeable		Option: 2.5" 80GB or 40GB SSD	
CF		Option	
Memory		1GB DDR2	
Graphics/Resolution		1600 x 1200 (UXGA)	
Video interface		DVI-D, Option: VGA	
Serial Port			
COM 1	COM 2	RS232C/ RS422/485	RS232C/ RS422/485
USB		2x 2.0 front, 2x 2.0 back, 1x 2.0 (M12) back	
Ethernet			
LAN Port A	LAN Port B	100BASE-T (M12), with LAN boot, WakeOnLan	100BASE-T (M12), WakeOnLan
Sound		2x Stereo (Mic. line)	
Digital input/output		4x DC-isolated in-/output	
DC voltage input (not isol.), V1248		10-54 VDC / typ. 15W	
DC voltage input (1.5kV isol.), Ixx		24/36/48/72/110VDC/typ.15W	
Expansion		2x PCIe Mini Card, 1x PCI/104	
Protection class		IP52, EN50155	
Standard Temperature (with HD)		-25°C to +55°C (T1)	
Extended Temperature (with SSD)		-25°C to +70°C (T3)	
Dimensions (W x L x H in mm)		159 x 190 x 66 mm	
Weight		1.6 kg	
Special Features		WakeOnLan, RingWake, WakeOnRing, PowerSaveMode	

Ordering Information

Article	Part No.	Description
MPCX28R-I24	814431	MPCX28R system with 24V isolated DC input
MPCX28R-I48	814433	MPCX28R system with 48V isolated DC input
MPCX28R-I110	814435	MPCX28R system with 110V isolated DC input
Option 80GB 24h SATA	on demand	80GB hard disk automotive, SATA
Option 40GB SSD	on demand	SATA2 MLC 2.5"-SSD Intel®
Option MPCX28/R w/o front cover	on demand	No protective cover, only hard disk enclosure
Option MPCX28/R LPT	on demand	LPT Port instead of Digital I/O for MPCX28/R
Option MPCX28/R audio back panel	on demand	Audio line / Mic on PORT1 (DSUB-9) instead of COM1
Option MPCX28 WLAN MCex	on demand	PCIex MiniCard Intel® 4965AGN with antenna cable
Option MPCX28UC GSM/GPS	on demand	Telit UC864-G, UMTS / HSDPA 7.2Mbit/s, 12CH GPS, with antenna cables
Option MPCX28 GPS A1080	on demand	GPS assembled with antenna cable
Option MPCX28 2xCAN PEAK	on demand	2xPeak CAN opto-isolated
MPCxx power adapter	on demand	110/220VAC, 90W supply, with M12 connector (19V)
MPCxx M12 power connector	on demand	M12-plug with 2m cable for DC input 12-48VDC
MPCxx M12 USB to standard USB	on demand	M12-plug with 1.8m cable to standard USB connector
MPCxx M12 LAN to standard LAN	on demand	M12-plug with 2.5m cable to standard LAN RJ-45 connector
Option MPCX28 GPS mPCIe	on demand	Option MPCX28 GPS mPCIe

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