

► hopeGate Intelligent Maintenance Collector

hopeGate intelligent maintenance collector can realize the remote data monitoring of inverters/converters. Not only can realize bridging between different physical communication interfaces, protocol conversion, centralized monitoring, friendly HMI; but also can remote monitoring to the corresponding equipments and provide safer working environment for personnels at the scene, enhance the industrial product experience and portability degree for the customers and customer service staffs' using, at the same time reducing the cost of product maintenance.



hopeGate intelligent maintenance collector is the basis of the Hopewind intelligent operation and maintenance network system.

Technical Specification

Spec.	Value	Instruction
Processor Platform	IMX257	Core: ARM926EJ-S, 32 Bit, Main frequency: 400MHz, Memory: 32M (can be extended to 64M), NorFlash 8M+8M
Operating System and software	OS	Real time Linux, 2.6.x kernel
	File System	Supports JFFS2, FAT32, EXT2, NFS and other file systems
	Remote Access Support	HTTP / TELNET / Supporting Web server and CGI
	Protocol Support	Support the complete TCP / IP protocol stack; NTP network clock synchronization protocol; through the matching of different modules, can support the bus protocol (including CanOpen, ModBus, ProfiBus, DeviceNet, ControlNet, CC-Link, BACNet, CompoNet, LonWorks, Ethernet EtherCAT, ProfiNet, PowerLink, SERCOS, etc.)
Maximum Power Consumption	<6W	/
Operating Temperature	-30°C~+50°C	Free Cooling
Storage Temperature	-40°C~+70°C	/
Altitude	0~4000m	/
Mean Time Between Failures	>18000hours	Rated operating environment
Main Function Interface	Ethernet	10 / 100M adaptive Ethernet communication interface
	USB	USB 2.0 Host interface
	Fiber	monitoring software tuning converter fiber interface
	FX	10 / 100M adaptive Ethernet communication interface
	ProfiBus	ProfiBus DP Slave communication interface with baud rate up to 12Mbps
	CAN	CAN communication interface, baud rate up to 1Mbps
	RS485	RS485 communication interface, baud rate up to 921600bps
	Console	USB Device Interface Console, baud rate 115200bps serial console
	FX	10 / 100M adaptive Ethernet communication interface
WiFi	Highest rate 150Mbps, communication distance 50m (no occlusion, open land)	