

EtherCAT requires no IP addresses, and its automatic configuration enables high-performance machine control, capable of exchanging multiple distributed signals with cycle times significantly below 100 μ s. Supports CoE, EoE and FoE protocols.

Features

- Intel® Celeron-G550T CPU (2M Cache, 2.20 GHz, 35W)
- Linux Kernel 4.4.43+Xenomai
- Supports CoE, EoE and FoE protocols.
- Easy wiring
- Low cost because of the use of standard Ethernet
- Components Best for high-speed motion control devices



EtherCAT Master	Slave module up to 64	
	Cycle time: up to 100 μ s	
	Synchronization Error: +/-50ns	
	Support CiA 402 standard protocol	
CPU	Intel® Celeron-G550T CPU (2M Cache, 2.20 GHz, 35W)	
Main Memory	Dual Channel DDR3 1333MHz, 2 x SO-DIMM, up to 8GB system memory	
Display Option	1 x HDMI	
	1 x VGA	
I/O Interface-Front	ATX Power on/off switch	
	2 x (RS232/422/485)	
	6 x USB2.0	
	2 x LAN	
	2 x Audio Mic-in, Line-out	
	PS2 1 x Keyboard, 1 x Mouse	
Pre-Installed OS	Linux Kernel 4.4.43	
Pre-Installed Software	IgH	
Pre-Installed Real-time extension	Xenomai	
Storage	1 x 2.5" SSD	
Expansion	1 x Mini-PCIe socket for optional Wi-Fi/3.5G/4G LTE	
Power	Power Input	12V DC-IN (Lockable connector)
	Power Consumption	21.9W (typ.)
Environmental	Operating Temperature	0~ 50°C
	Operating Humidity	Relative humidity 10% ~ 90% @40°C, Non-condensing