

Orbit 3 Ethernet Controller



The Orbit3 Ethernet Controller from Solartron Metrology gives the user a simple interface to a PC or PLC. The Ethernet module can support up to 150 Orbit Modules when used with the Orbit .NET library. This module allows the user to control and monitor an Orbit network remotely via the internet.

- | Typical reading rate of 500 readings per second
- | New Read Burst command capable
- | High speed Orbit capable (1.5 M Orbit Bus)
- | Upgradeable firmware (over the Ethernet link with the new 'Orbit Updater' application)
- | PLC users can interface to the ETHIM via TCP sockets
- | Auto or manual IP selection
- | Auto Network speed detection

Orbit 3 Ethernet Controller

Technical Specification

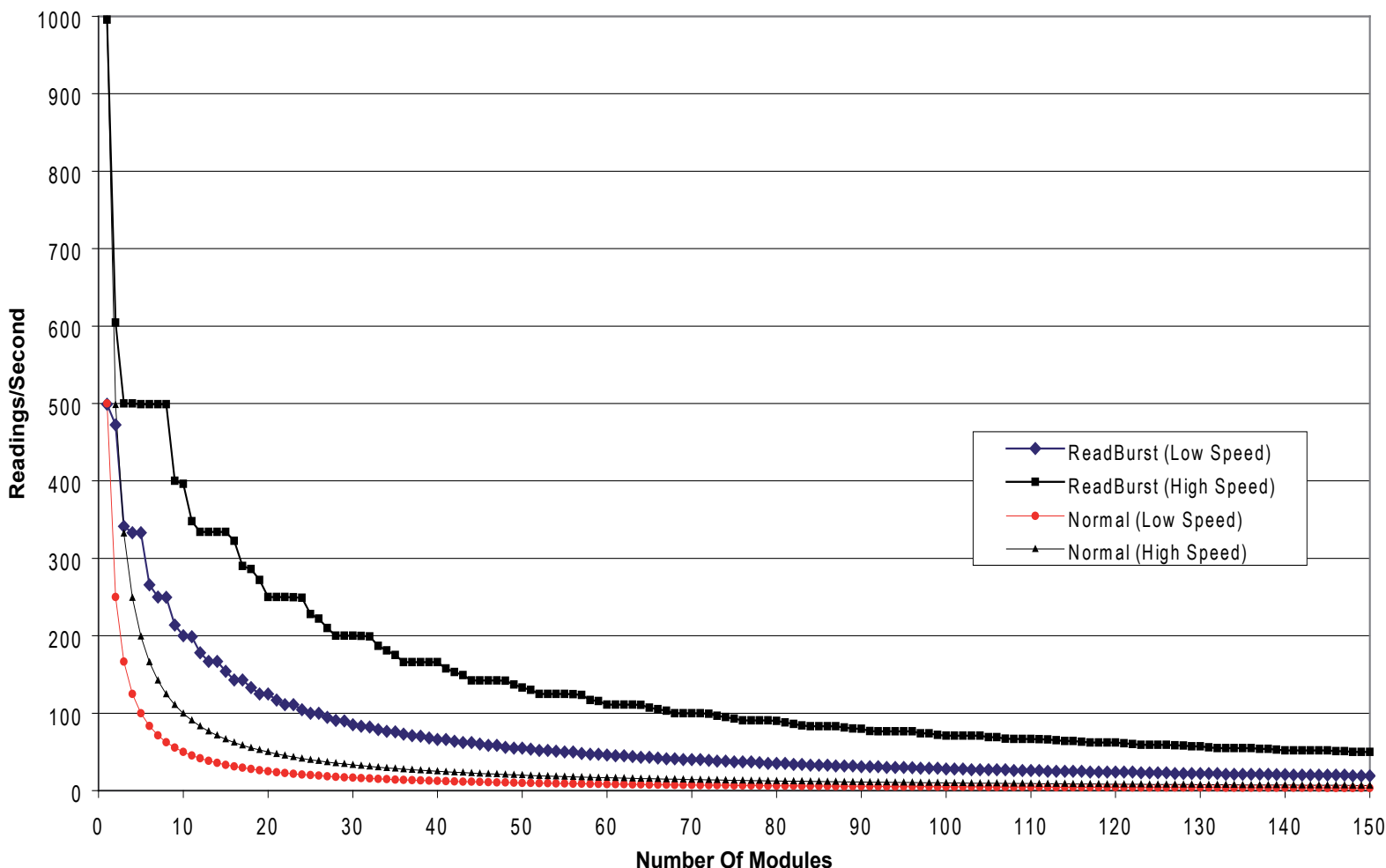
Computer interface	
Bus	Ethernet
Operating Systems	Windows XP, Vista, Win7 (32 and 64 bit)
Network Interface	
Signal	RS485
Protocol	Orbit
Orbit Speeds	Standard 187.5 kB, High 1.5 MB,
Performance	
Measurement Modes	Standard, Buffered, Read Burst
Reading Rates	See graph
Number of Orbit Modules with external PSIMS	150
Power Requirements	
Voltage Range (VDC)	4.75 to 5.25
No Load Current (mA)	350
Environmental	
Operating Temperature (°C)	0 to +60
Storage Temperature (°C)	-20 to +85
IP Rating	43
CE Marking	yes
Mechanical	
Computer Connections	Ethernet Port
Dimensions	Refer to Orbit 3 Catalogue/Website for PIE case drawing
Materials	Nylon and ABS

For use with the original Orbit COM library:

- | Typical reading rate of 450 readings per second
- | Virtual Com Port driver application for using device with customer's own software
- | Auto or manual IP selection
- | Auto Network speed detection
- | PLC users can interface to the ETHIM via TCP sockets

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Module Reading Rates for ETHIM



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Offices worldwide

Agent and distributor details available at
www.solartronmetrology.com

Solartron pursues a policy of continuous development. Specifications in this document may therefore be changed without notice.

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