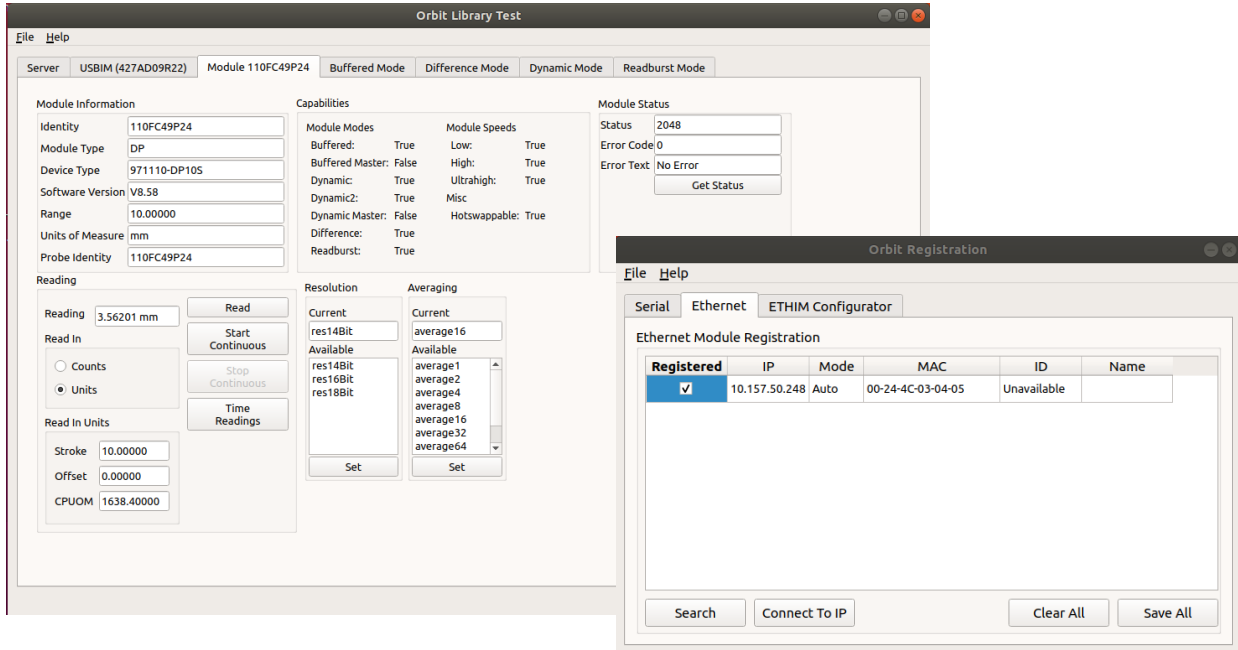




# Linux Software Drivers & Library



## Description

The Solartron Digital Orbit® Network has increased its versatility with Software Drivers and a header only C++ Orbit3 communication library for **Linux operating systems**.

## Features

Communicates with a wide range of Orbit measurement modules via Orbit® USB, Ethernet and RS232 input modes.

Includes an example Qt application (source included) and a registration program to configure communication with RS232 and ETHIM controllers.

Command line utilities provided for Orbit® Read, ReadBurst, Difference Mode and Dynamic Mode communications.

Distributed as a Debian (.deb) software package for quick and simple installation on a wide range of Debian derived Linux distributions.

Also released as a compressed tar archive for installation on other Linux distributions.

Download the drivers at the Drivers and Software page at [www.solartronmetrology.com](http://www.solartronmetrology.com)



## Technical Specification

Library	
Library format	Header only shared object file (dynamic linked library).
Language	C++ (STL)
Supported CPU Architectures	X86_64 and i386
Supported Distributions	Ubuntu
Release format	Deb package and tar archive.
Controllers	
USBIM	USB Communication with an Orbit Network.
ETHIM 2.0	Ethernet Communication with an Orbit Network.
RS232IM	Serial Communication with an Orbit Network.
Modules	
AGM	Air gauging including mastering.
AIM	Analogue current and voltage measurements.
DIM	Digimatic interface
DP	Digital Probes
EIM	Encoder interface
LE	Linear Encoders
LT/LTx/LTH	Laser Triangulation
WCM	Communication with WHT and WHT-M wireless hand tools.
Orbit Read Modes	
Orbit Read	Easy to use single readings.
Orbit ReadBurst	Synchronized high speed readings.
Orbit Difference	Ideal for runout measurements.
Orbit Buffered	High speed readings retained in the Orbit Module internal memory.
Orbit Dynamic	Very high speed synchronized readings.
Software Applications	
Orbit Library Test	Comprehensive example application (Source code included).
Orbit Registration	Ethernet and RS232 configuration application.
OrbitRead, OrbitReadburst, OrbitDifference, OrbitDynamic	Command line applications to configure an Orbit Network and write readings to Stdout.



## Worldwide Sales Offices



### UK Head Office and Factory

Solartron Metrology  
Steyning Way  
Bognor Regis  
West Sussex  
UK, PO22 9ST  
Tel: +44 (0) 1243 833333  
Email: [sales.solartronmetrology@ametek.com](mailto:sales.solartronmetrology@ametek.com)

### France

Ametek SAS  
Solartron Metrology Division  
Rond point de l'épine des champs  
Buroplus Bat D  
Elancourt  
78990  
France  
Tel: +33 (0) 1 30 68 89 50  
Email: [Info.solartronmetrology@ametek.fr](mailto:Info.solartronmetrology@ametek.fr)

### Germany

Ametek GmbH  
Solartron Metrology Division  
Rudolf-Diesel-Strasse 16  
40670 Meerbusch  
Tel: +49 (0) 2159 9136 500  
Email: [vertrieb.solartron@ametek.com](mailto:vertrieb.solartron@ametek.com)

### China

Ametek Commercial Enterprise (Shanghai) Co., Ltd  
Part A1, A4 2nd Floor  
Building No 1, No 526 Fute  
3rd Road East  
Shanghai  
Pilot Free Trade Zone  
200131  
China  
Tel: +86 21 5763 2509  
Email: [china.solartronmetrology@ametek.com](mailto:china.solartronmetrology@ametek.com)

### USA

Solartron Metrology  
915 N. New Hope Road, Suite C  
Gastonia, NC 28054  
Tel: +1 800 873 5838  
Email: [usasales.solartronmetrology@ametek.com](mailto:usasales.solartronmetrology@ametek.com)

### Japan

Ametek -Japan  
Solartron Metrology Division  
Tokyo Office  
Shiba NBF Tower (1F, 3F)  
1-1-30, Shiba Diamon Minato-Ku, Tokyo, Japan  
(P.C.105-0012)  
Tel: +81 03-4520-6654  
Email: [Mamoru.hasegawa@ametek.com](mailto:Mamoru.hasegawa@ametek.com)

### Thailand

Ametek (Thailand)  
Solartron Metrology Division  
B4.1.1 – B4.1.3 Floor 1st, SUMMER Lasalle  
846 La Salle Rd., Bangna Tai, Bang Na  
Bangkok, 10260, Thailand  
Tel: +66 2 012 7500  
Mobile: +66 92 087 9222  
Email: [hidenao.tanaka@ametek.com](mailto:hidenao.tanaka@ametek.com)

Solartron Metrology also carries an extensive network of sales agents in all major countries. For a local contact, go to [www.solartronmetrology.com/contact](http://www.solartronmetrology.com/contact) or email at [sales.solartronmetrology@ametek.com](mailto:sales.solartronmetrology@ametek.com)