

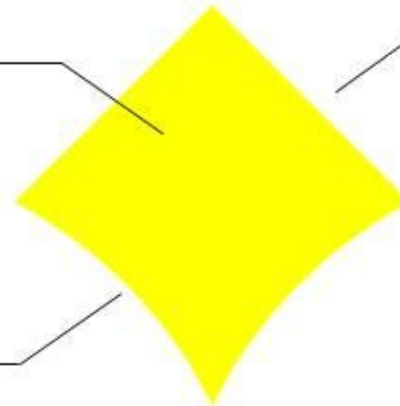
Welcome to Yokogawa presentation

Good balance & Healthy operation

Yellow color represents “Sun” that is the symbol of the glory of global society.

The acute angle and sharp straight edges represents Yokogawa’s cutting-edge technology.

The gentle curvature represents the warm-hearted nature of Yokogawa’s people.



YOKOGAWA

Corporate Information (Results of fiscal year 2008)

Company Name	Yokogawa Electric Corporation
Founded	September 1, 1915
Incorporated	December 1, 1920
Paid-in Capital	43.4 billion yen
Sales	376.5 billion yen (consolidated)
Operating Income	4.7 billion yen (consolidated)
Ordinary Income	0.3 billion yen (consolidated)
R&D Investment/Sales	9.9%
Number of Employees	20,247
Dividend	16 yen
Capital Ratio	41.7%

Yokogawa Employees Worldwide



Business Concept



Enterprise

This emphasizes Yokogawa's focus on the customer's enterprise as a means of providing optimum support.

Technology

Customers can benefit from Yokogawa's latest and most sophisticated technological services.

Solutions

Yokogawa offers the solutions that best meet customers' expectations and needs.

We are solution vender

Global network supporting business growth

19 subsidiaries and 4 affiliates in Japan
68 subsidiaries and 2 affiliates outside Japan



Manufacturing

Our manufacturing operations span 10 countries

Response Center

Our response center operations span 10 countries
&
Many service offices

Various kinds of product

Production Control Systems



Electronic Measuring Instruments



Semiconductor Testers



Rich
Lineup

Industrial Automation and Control

Field Instruments and Recorders



Communication and Measurement

Biotechnology Analytical Equipment



Aviation Equipment



Solutions Business



Optical Communications Equipment



Motion and Measurement Equipment



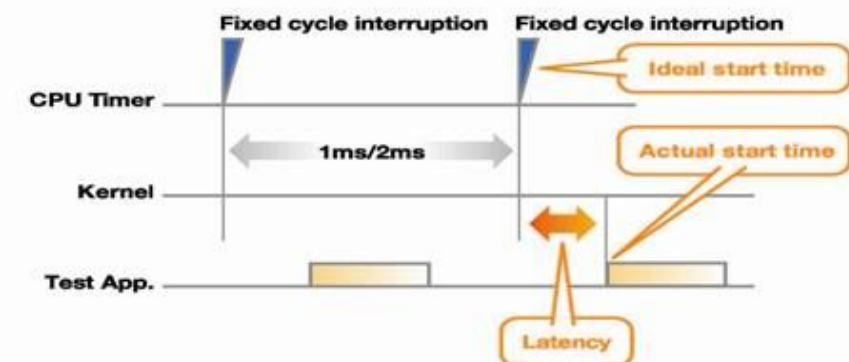
Embedded Real-time Linux Controller

High performance controller e-RT3 F3RP61 can provide extendibility and flexibility of Linux, connectivity with versatile PLC I/O and high-speed response performance by real-time Linux.

Controller F3RP61 that is able to develop the application with Linux corresponded to the PREEMPT_RT patch that improved a real-time performance. It is possible for Linux to be used as high accurate control application and data sampling with having high-speed and stable response.

Table for Latency frequency distribution of application start of fixed cycle with I/O process (load : hackbench)

Latency[μsec]	Current Product (Kernel2.6)	PREEMPT_RT
Test condition	60K times with 2ms interval	4,320K times with 1ms interval
0 ~	0	1
10 ~	0	37,382
20 ~	23,617	7,559,622
30 ~	26,609	31,478,761
40 ~	3,341	1,924,410
50 ~	2,928	1,925,191
60 ~	1,476	268,123
70 ~	1,088	5,958
80 ~	507	546
90 ~	256	6
100 ~	84	
110 ~	28	
120 or bigger	66	
Max. Latency	1,065μs	92μs

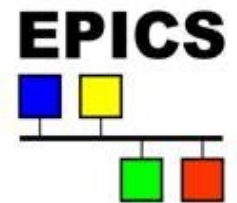


Kernel : Kernel.org linux 2.6.26.8
PREEMPT_RT : patch-2.6.26.8-rt16
 ※ Stable version announced by OSADL



EPICS Device Support for YOKOGAWA Scope Families

YOKOGAWA has recently developed EPICS device support* for our scope families.



➤ Oscilloscopes

DLM2000 Series

- Bandwidth: **200MHz / 350MHz / 500MHz**
- Max. Sample Rate: **2.5GS/sec**
- Max. Memory Length: **125M points**
- Ext. dimensions:

DLM6000/DL9000 Series

- Bandwidth: **500MHz / 1GHz / 1.5GHz**
- Max. sample rate: **10GS/sec**
- Max. memory length: **6.25M points**
- Ext. dimensions: **350(W) x 200(H) x 178(D)mm**

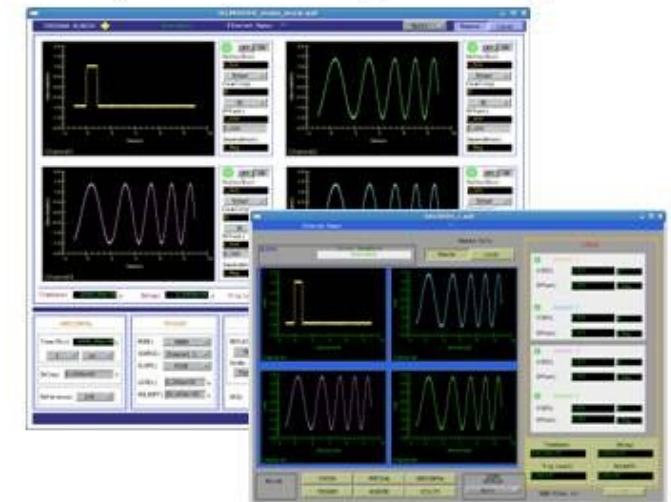


<http://dlm2000.net/>,



<http://tmi.yokogawa.com/products/oscilloscopes/>

Sample Viewer (MEDM)



Viewer for *TDS3000* by ANL

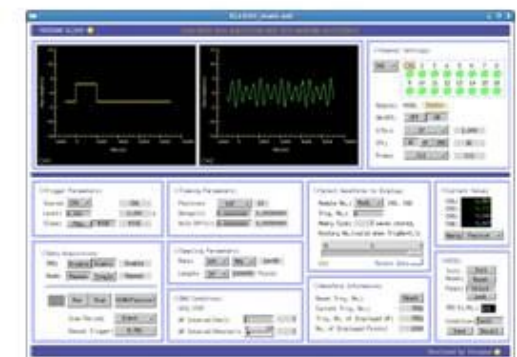
➤ PC-based Data-Acquisition Equipment

SL1000 Series (Waveform Digitizers)

- **100kS/s to 100MS/s** modules available
- Data compression
- Storage of historical waveforms
- SRQ supported
- Ext. dimensions:



<http://tmi.yokogawa.com/products/data-acquisition-equipment/>



*: Our device support is of a free sample and is supplied "as-is", without warranty.

Thanks for your listening