

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 14, 2026

FLUKE

Fluke 2640A NetDAQ Networked Data Acquisition Unit

Power AC: 107 to 264 V ac 50 or 60 Hz less than 15 W Measurement Functions: Vdc Vac resistance frequency TC RTD Sibling Faster Model: 2645A up to 1000 ch/s class Documentation Source: Fluke NetDAQ 2640A/2645A product specifications Measurement Functions: Vdc Vac resistance frequency TC RTD Sibling Faster Model: 2645A up to 1000 ch/s class Documentation Source: Fluke NetDAQ 2640A/2645A product specifications From Fluke NetDAQ Networked Data Acquisition Unit product specification table for 2640A.



MODEL

Fluke 2640A

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

2640A

LISTING

<https://aumictechlabs.com/products/2640a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Fluke 2640A NetDAQ is a networked data acquisition unit that combines universal analog inputs, digital I/O, and thermocouple measurement capability in a single distributed system. It acquires data from multiple sensor types simultaneously and transmits results across Ethernet networks, enabling remote monitoring and control across industrial and laboratory environments. Expandable to 400 channels using up to twenty units in networked configuration. Technical Specifications Channel Capacity Analog Inputs: 20, expandable to 400 across networked systems Computed Channels: 10 (addition, subtraction, multiplication, division, logarithm, exponentiation, square root, absolute value, integer function, average) Digital I/O & Alarm Outputs: 8 total

Totalizer: 1 Measurement Ranges & Accuracy DC Volts: 90 mV to 300 V, resolution 0.3 μ V to 1 mV, $\pm 0.01\%$ accuracy (3-Sigma) AC Volts: 300 mV to 300 V, resolution 10 μ V to 10 mV, $\pm 0.3\%$ accuracy (3-Sigma) Resistance: 300 Ω to 10 M Ω , resolution 300 m Ω to 3 M Ω , $\pm 0.015\%$ accuracy (3-Sigma) Frequency: 15 Hz to 1 MHz, resolution 0.01 Hz to 100 Hz, $\pm 0.05\%$ accuracy (3-Sigma) Temperature (Pt 100 RTD): -200 to 600 $^{\circ}\text{C}$, resolution 0.003 $^{\circ}\text{C}$, ± 0.06 $^{\circ}\text{C}$ accuracy (3-Sigma) Temperature (J Thermocouple): -100 to 760 $^{\circ}\text{C}$ Current: 4–20 mA loops Performance Data acquisition rate: up to 1,000 readings/second system capacity; 2640A model delivers 100 measurements/second with 5½ digit resolution and 0.02% accuracy Slow Scan: 6 readings/second Medium Scan: 41–48 readings/second (50/60 Hz) Fast Scan: 143 readings/second A/D Converter: multi-slope type, 18-bit linear resolution to 0.3 μ V and 0.02 $^{\circ}\text{C}$ Common Mode Rejection: ≥ 120 dB (AC and DC) Normal Mode Rejection: 50 dB @ 50/60 Hz Maximum Common Mode Voltage: 300 VDC/VAC rms (Channels 1 & 11); 150 VDC/VAC rms (all others) Key Features Universal Input Module accepts any combination of input types without external signal conditioning Ethernet (IEEE 802.3, 10Base2/10BaseT, TCP/IP) for remote access and control Multi-range capability with automatic range selection Typical Applications Multi-point temperature and voltage monitoring in distributed environments Industrial process data logging and control systems Laboratory measurement networks requiring high precision and expandability

2640A Characteristics / Specifications

PARAMETER	VALUE
DC Volts Accuracy Class	0.01 percent
ADC Resolution	up to 18 bits
DC Volts Range Class	90 mV to 25 V / 300 V channel dependent
DC Volts Resolution Class	0.3 μ V to 1 mV
AC Volts Accuracy Class	0.3 percent
Resistance Accuracy Class	plus or minus 0.015 percent
Resistance Range Class	300 ohm to 10 MOhm
Frequency Range	15 Hz to 1 MHz
Frequency Accuracy Class	plus or minus 0.05 percent
RTD Range Pt1	minus 200 to 600 C
Scan Speed Slow	6 channels per second nominal
Scan Speed Medium Class	41 (50 Hz) / 48 (60 Hz) channels per second nominal
Scan Speed Fast Class	100 channels per second nominal
Common Mode Max Channels 1 And	300 V dc orVac rms
Common Mode Max Other Channels	150 V dc orVac rms class
Power AC	107 to 264 V ac 50 or 60 Hz less than 15 W
Power DC	9 to 16 V dc less than 6 W
Thermocouple Accuracy Class	0.3 C class
Measurement Functions	Vdc Vac resistance frequency TC RTD
Networked Architecture	NetDAQ
Sibling Faster Model	2645A up to 1000 ch/s class
Documentation Source	Fluke NetDAQ 2640A/2645A product specifications

2640A Specifications

PARAMETER	VALUE
Fluke 2640A NetDAQ Networked Data Acquisition Unit	Overview
NetDAQ networked architecture	Up to 18 bit dual slope ADC
Thermocouple and RTD measurement paths	Selectable slow medium and fast scan rates
Technical Specifications	DC Volts Accuracy Class: 0.01 percent
Notes	From Fluke NetDAQ Networked Data Acquisition Unit product specification table for 2640A.

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications	
Specifications	
PARAMETER	VALUE
DC Volts Accuracy Class	0.01 percent
ADC Resolution	up to 18 bits
DC Volts Range Class	90 mV to 25 V / 300 V channel dependent
DC Volts Resolution Class	0.3 uV to 1 mV
AC Volts Accuracy Class	0.3 percent
Resistance Accuracy Class	plus or minus 0.015 percent
Resistance Range Class	300 ohm to 10 MOhm
Frequency Range	15 Hz to 1 MHz
Frequency Accuracy Class	plus or minus 0.05 percent
RTD Range Pt100	minus 200 to 600 C
Scan Speed Slow	6 channels per second nominal
Scan Speed Medium Class	41 (50 Hz) / 48 (60 Hz) channels per second nominal
Scan Speed Fast Class	100 channels per second nominal
Common Mode Max Channels 1 And 11	300 V dc orVac rms
Common Mode Max Other Channels	150 V dc orVac rms class
Power AC	107 to 264 V ac 50 or 60 Hz less than 15 W
Power DC	9 to 16 V dc less than 6 W
Thermocouple Accuracy Class	0.3 C class
Measurement Functions	Vdc Vac resistance frequency TC RTD
Networked Architecture	NetDAQ
Sibling Faster Model	2645A up to 1000 ch/s class
Documentation Source	Fluke NetDAQ 2640A/2645A product specifications
Notes	
From Fluke NetDAQ Networked Data Acquisition Unit product specification table for 2640A.	

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
<https://aumictechlabs.com>

NIST-traceable calibration · SAM registered ·
30-day returns
NAICS 423690 · 811210 · 541380
Generated August 14, 2026

Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.