

**Aumictech**

Test & measurement • bought, sold, repaired, calibrated

Data Sheet

August 15, 2026

CURTISS-WRIGHT / PARVUS

Curtiss-Wright / Parvus DuraCOR-810-Duo Rugged MIL-STD-810 COTS Processor Platform - Enclosure Only

The Curtiss-Wright/Parvus DuraCOR-810-Duo is a rugged enclosure-only COTS processor platform engineered for high-reliability deployment in harsh military and industrial environments. This MIL-STD-810F compliant unit has a water-tight aluminum chassis with hardened finish and accommodates low-power, conductively cooled Intel processors including Pentium-M and Core 2 Duo variants. The platform integrates internal PC/104 expansion architecture with up to 6 spare card slots, cable-less interconnect scheme, and comprehensive I/O connectivity. MIL-STD-810F compliant for crash safety shock, functional shock, vibration, temperature, humidity, dust, and water ingress External I/O: 1× rugged RJ-45 Ethernet, 4× USB, 2× RS-232 serial, 1× VGA video, 1× keyboard port, 1× mouse port, 1× audio port
Compatible with Parvus accessory cables: CBL-1651-01, CBL-2348A-01, CBL-2349A-01, CBL-2350A-01, CBL-235



MODEL

**Curtiss-Wright /
Parvus DuraCOR-
810-Duo**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

DuraCOR-810-Duo

LISTING

[https://aumictechlabs.c
om/products/duracor-8
10-duo-2/](https://aumictechlabs.com/products/duracor-810-duo-2/)

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Curtiss-Wright/Parvus DuraCOR-810-Duo is a rugged enclosure-only COTS processor platform engineered for high-reliability deployment in harsh military and industrial environments. This MIL-STD-810F compliant unit has a water-tight aluminum chassis with hardened finish and accommodates low-power, conductively cooled Intel processors including Pentium-M and Core 2 Duo variants. The platform integrates internal PC/104 expansion architecture with up to 6 spare card slots, cable-less interconnect scheme, and comprehensive I/O connectivity. Technical Specifications MIL-STD-810F compliant for crash safety shock, functional shock, vibration, temperature, humidity, dust, and water ingress MIL-STD-461E compliance for radiated and conducted emissions and susceptibility MIL-STD-704E and MIL-STD-1275D power input specifications Water-tight aluminum chassis with hardened finish and corrosion resistance Internal PC/104(+) card cage with up to 6 spare expansion slots Cable-less internal interconnect scheme for signal integrity and reliability Pre-loadable operating systems: Linux or Windows XPe evaluation license Key Features External I/O: 1× rugged RJ-45 Ethernet, 4× USB, 2× RS-232 serial, 1× VGA video, 1× keyboard port, 1× mouse port, 1× audio port 79-pin expansion connector routed to internal breakout board and headers MIL-DTL-38999 (I/O) and IP68 (power) connectors Five LED status indicators for power and user-defined outputs Metal mounting brackets for vehicle platform integration Ultra-small form factor (USFF) design Compatibility & Integration Supports PC/104(+) expansion cards via internal cage architecture Compatible with Parvus accessory cables: CBL-1651-01, CBL-2348A-01, CBL-2349A-01, CBL-2350A-01, CBL-2351A-01, and PCB-1290A-01 Designed for rapid deployment in custom system builds and enclosure-only replacement scenarios

DURACOR810DUO Characteristics / Specifications

PARAMETER	VALUE
Model	DuraCOR-810-Duo
Instrument Type	rugged enclosed mission computer
Manufacturer Line	Parvus DuraCOR
Environmental Standard Class	MIL STD 810
Cooling Style Class	conduction cooled enclosed class
Compute Architecture Class	dual compute Duo class
Form Factor	enclosed rugged box
I/O Expansion Class	modular I/O personality class
Ethernet Class	Gigabit Ethernet class mission links
Serial Io Class	multi serial ports class
Power Input Class	vehicle DC power class
Operating Temperature Class	extended rugged temperature class
Storage Temperature Class	extended storage class
Shock Vibration Class	MIL STD 810 shock vibration class
Humidity Class	rugged humidity sealing class
Mounting Class	vehicle tray or cold plate class
Os Support Class	Linux and Windows embedded class
Series Family	DuraCOR 810
Related Brand	Curtiss-Wright Parvus
Primary Markets	defense ground and air
Sbc Role	mission computer
Connector Class	circular mil connectors class
Emi Class	filtered power and I/O class
Storage temperature	Class: extended storage class
Operating temperature	Class: extended rugged temperature class

PARAMETER	VALUE
Humidity	Class: rugged humidity sealing class

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Storage temperature	Class: extended storage class
Operating temperature	Class: extended rugged temperature class
Operating Temperature	Class: extended rugged temperature class
Humidity	Class: rugged humidity sealing class
Model	DuraCOR-810-Duo
Instrument Type	rugged enclosed mission computer
Manufacturer Line	Parvus DuraCOR
Environmental Standard Class	MIL STD 810
Cooling Style Class	conduction cooled enclosed class
Compute Architecture Class	dual compute Duo class
Form Factor	enclosed rugged box
I/O Expansion Class	modular I/O personality class
Ethernet Class	Gigabit Ethernet class mission links
Serial Io Class	multi serial ports class
Power Input Class	vehicle DC power class
Operating Temperature Class	extended rugged temperature class
Storage Temperature Class	extended storage class
Shock Vibration Class	MIL STD 810 shock vibration class
Humidity Class	rugged humidity sealing class
Mounting Class	vehicle tray or cold plate class
Os Support Class	Linux and Windows embedded class
Series Family	DuraCOR 810
Related Brand	Curtiss-Wright Parvus
Primary Markets	defense ground and air
Sbc Role	mission computer

PARAMETER	VALUE
Connector Class	circular mil connectors class
Emi Class	filtered power and I/O class Notes Capability rows from Curtiss-Wright/Parvus DuraCOR 810 Duo rugged processor platform catalog descriptions. Exact CPU memory and I/O maps follow the configured Duo personality.

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.

environmental qualification class packaging.	
Key Features	
Rugged enclosed COTS processor platform	
MIL STD 810 environmental class design	
Dual compute Duo configuration class	
Vehicle and airborne mission computer role	
Curtiss-Wright Parvus DuraCOR family	
Technical Specifications	
Technical Specifications	
PARAMETER	VALUE
Model	DuraCOR-810-Duo
Instrument Type	rugged enclosed mission computer
Manufacturer Line	Parvus DuraCOR
Environmental Standard Class	MIL STD 810
Cooling Style Class	conduction cooled enclosed class
Compute Architecture Class	dual compute Duo class
Form Factor	enclosed rugged box
I/O Expansion Class	modular I/O personality class
Ethernet Class	Gigabit Ethernet class mission links
Serial Io Class	multi serial ports class
Power Input Class	vehicle DC power class
Operating Temperature Class	extended rugged temperature class
Storage Temperature Class	extended storage class
Shock Vibration Class	MIL STD 810 shock vibration class
Humidity Class	rugged humidity sealing class
Mounting Class	vehicle tray or cold plate class
Os Support Class	Linux and Windows embedded class
Series Family	DuraCOR 810
Related Brand	Curtiss-Wright Parvus
Primary Markets	defense ground and air
Sbc Role	mission computer
Connector Class	circular mil connectors class

PARAMETER	VALUE
Emi Class	filtered power and I/O class

Notes
Capability rows from Curtiss-Wright/Parvus DuraCOR 810 Duo rugged processor platform catalog descriptions.
Exact CPU memory and I/O maps follow the configured Duo personality.

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 15, 2026

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