µ-crate

Desktop single-slot VME64X Crate

VME64X	1 (6U)	34 cm
Package	No. of Slots	Width

µ-Crate is a mains-powered desktop single-slot VME64X crate for one 1-unit VME 6U x 160mm module. Its backplane is mechanically and electrically compliant with VME64 and VME64X standards, while VME protocols are not supported. The crate operates from 100 – 240 V AC (130 W) @ 50 / 60 Hz and features a low-noise air cooling system with hardware-selectable high and low fan speed. A 19” rack mount kit is included.

Overview

Product Highlights

- Desktop form factor
- VME64 and VME64X power compliance (VME protocols not supported)
- Hardware selectable high and low fan speed
- 19” rack mount kit included
- Single slot for 1-unit VME 6U x 160mm modules
- Low-noise air cooling system
- Mains powered 100 – 240 V AC (130 W) @ 50 / 60 Hz

Product Description

The **µ-Crate** is a mains-powered (100 – 240 V AC (130 W) @ 50 / 60 Hz) desktop device with low-noise cooling vents system. The single-slot backplane is mechanically and electrically compliant to 1-unit VME 6U x 160mm modules in the VME64 and VME64X standards that meet the provided voltage and current specifications. Optional mounting into 19” racks is possible by metal brackets that are provided with the device. According to the operating conditions, the User can manually set high and low fan speed level by hardware button.

AT A GLANCE	
Package	**VME64X**
No. of Slots	**1 (6U)**
Width	**34 cm**
Height	**96 mm**
Backplane connectors	**VME64X J1/J2**
Pluggable power supply	**No**

Technical Specifications

Mechanical	Desktop: 337 W x 96 H x 278 L mm³ (with no board in)

Enviromental

- Environment: Indoor use
- Operating Temperature: 0°C to +40°C
- Storage Temperature: -30°C to +80 °C
- Operating Humidity: 10% to 90% RH non condensing
- Storage Humidity: 5% to 90% RH non condensing
- Altitude: <2000m
- Pollution Degree: 2
- Overvoltage Category: II
- EMC Environment: Commercial and light industrial
- IP Degree: IPX0, not for wet location

Max. output current

- 10.5A @+3.3V
- 10 A @+5V
- 2 A @+12V
- 2A @-12V

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Technical Specifications (continued)

Mains Input	100 – 240 V AC (130 W) @ 50 / 60 Hz
Cooling Airflow	• Low-noise cooling vents • Adjustable speed by hardware button (2 steps: low speed, high speed)
Regulatory	• EMC: CE 2014/30/EU Electromagnetic compatibility Directive • Safety: CE 2014/35/EU Low Voltage Directive
Power Supply	100/240V ~ 50 / 60Hz (130W max.)

Ordering Information

ORDERING CODE	DESCRIPTION
WUCRATEX001A	µ-Crate – Desktop single-slot VME64X Crate

1. Ordering codes and descriptions are reproduced from the product record. Availability is confirmed at order entry.

Related Products

V1720 — 8 Input Channel 12bit 250 MS/s Digitizer

V1724 — 8 Input Channel 14 bit 100 MS/s Digitizer

V1730 / V1730S — 16/8 Channel 14 bit 500 MS/s Digitizer

V1740 — 64 Input Channel 12 bit 62.5 MS/s Digitizer

V1740D — 64 Input Channel 12 bit 62.5 MS/s Digitizer supporting DPP-QDC firmware

V1742 — 32+2 Channel 12bit 5 GS/s Switched Capacitor Digitizer

V1743 — 16 Input Channel 12bit 3.2 GS/s Switched Capacitor Digitizer

V1751 — 4/8 Input Channel 10 bit 2/1 GS/s Digitizer

V1761 — 2 Input Channel 10 bit 4GS/s Digitizer

V2495 — Programmable Logic Unit PLUS

V2740 — 64 Channel 16 bit 125 MS/s Digitizer

V2745 — 64 Channel 16 bit 125 MS/s Digitizer with Programmable Input Gain

VX1720 — 8 Input Channel 12bit 250 MS/s Digitizer

VX1724 — 8 Input Channel 14 bit 100 MS/s Digitizer

VX1725 / VX1725S — 16/8 Input Channel 14-bit 250 MS/s Digitizer

VX1730 / VX1730S — 16/8 Input Channel 14 bit 500 MS/s Digitizer

VX1740 — 64 Input Channel 12bit 62.5 MS/s Digitizer

VX1740D — 64 Input Channel 12bit 62.5 MS/s Digitizer supporting DPP-QDC firmware

VX1742 — 32+2 Channel 12bit 5 GS/s Switched Capacitor Digitizer

VX1743 — 16 Input Channel 12bit 3.2 GS/s Switched Capacitor Digitizer

VX1751 — 4/8 Input Channel 10 bit 2/1 GS/s Digitizer

VX1761 — 2 Input Channel 10 bit 4GS/s Digitizer

VX2740 — 64 Input Channel 16 bit 125 MS/s Digitizer

VX2745 — 64 Input Channel 16 bit 125 MS/s Digitizer with Programmable Input Gain

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