

PowerSwitches

HardBoot 7.2

PowerSwitches

Central power sources for remote power switching



Leading the way in digital KVM



Leading the Way in digital KVM

Guntermann & Drunck GmbH has been established in 1985 and is named after its founders. Over 25 years have since past, and we are now a leading manufacturer of digital and analog KVM switching systems.

As an owner-managed company we work with a broad range in both digital and analog KVM closely with the marketplace and make our decisions with and in the interests of our customers. It is our philosophy to meet our customers while making decisions, to accompany them in the process and ensure that they achieve their goals.

We can do this because as a medium sized company we have short communication paths and all core competencies are in house – from development through to production. This way we can even make the impossible possible at times. If it is thanks to the modularity of the products or by implementing a customised solution. We orient ourselves towards the needs of the customer – and not the other way round.

Organisations, service providers and companies of all sizes managing numerous computers, servers and other network devices trust the comprehensive advice and service provided by Guntermann & Drunck GmbH.

Thanks to these different fields of specialisation, the demands placed on the products are many and are manifold. Our products have to provide a long-life service, be secure, uncomplicated, user-friendly, understandable and adaptable.

The HardBoot CCX is a remote power switch that expands a CATCenter system with the "PowerSwitching" function. The HardBoot CCX is especially designed to be operated with G&D matrix switches. It enables the user to switch up to 128 users with one matrix switch.

The HardBoot CCX provides eight AC outputs per device. Two separate power circuits each contain four outputs. A power cluster contains up to 16 HardBoot devices (= 128 outputs).

The 128 outputs can be randomly grouped. This way, even redundant power packs are supported. The HardBoot CCX is connected to the DVICenter or CATCenter and operated via the DVICenter's OSD.



HardBoot CCX - rear view

Features

Operation

- Re-start target devices, which can no longer be accessed
- Set automatic re-start of target devices after a preset amount of time
- Assign names to target devices

Device

- Two separately secured power circuits; galvanically isolated
- Switches groups of up to three ports simultaneously

- Up to 120 A peak current per device
- Up to 10 A constant load
- HiAmp technology for re-starting target devices with high peak current
- High packing density requires only 1 U

Highlights

Operation

- Group switching
- Operation over DVICenter & CATCenter

Communication / Safety

- two independent and redundant power circuits



HardBoot CCX - front view

Expansion

Cascading

By means of cascading up to 16 HardBoot CCX slaves (via RS485 interfaces), the system can be expanded as far as controlling up to 128 power sources per CATCenter system.



HardBoot plus

Installation

An IEC cable connects the users to the HardBoot.

The CATCenter serves as master and is connected to the HardBoot CCX through a RS232 interface.

Variants

There are no variants available for this product.

HardBoot CCX



left: HardBoot CCX - rear view
right: HardBoot CCX - front view

Technical Data	Hardboot CCX
AC input	200 - 250V
	2 × IEC plug (IEC 60320 C14)
AC output	2 × 4 IEC sockets (IEC 60320 C13)
Switching current (max.)	10 A per device for both separate circuits
	10 A permanent current, 120 A peak current per user
Fuse	2 × 10 A delay
RS485 interface	2 × RJ12 socket (x link)
Operating temperature	0 - 50 °C
Humidity	10 - 80%, non-condensing
Casing (W × H × D)	485 × 45 × 150 mm
	19" × 1 U × 150 mm
Weight	2.4 kg
Conformity	CE, RoHs

List of Item Numbers

Item No.	Description
A4100001	HardBoot CCX

Legend

ABBREVIATIONS


CPU = Computer module
PC = Computer module

CON = User module
REM = User module

MC2 = Multichannel 2
MC3 = Multichannel 3
MC4 = Multichannel 4

M = Multimode
S = Singlemode
RM = For assembly in a 19" rack
DT = Available as desktop variant
A = Audio
AR = Audio + RS232
R = RS232
U = transparent USB 1.1
U2 = transparent USB 2.0
D = Delay


EQUIPMENT FEATURES


 = keyboard/mouse


 = dual-link DVI video


 = single-link DVI video


 = single-link DVI + VGA

 = VGA video

 = Audio


 = RS232


 = USB 1.1


 = USB 2.0

 = Delay


 = Screen Freeze

 = Power Switching


 = Fire Wire


 = VT100


 = KVM IP access


 = Network connection


 = Web interface


 = DevCon support


 = Monitoring

 = CAT cable

 = Fiber optics

 = Single user

 = Multi user

 = Separat local/remote user