CCX-15 Display Photos
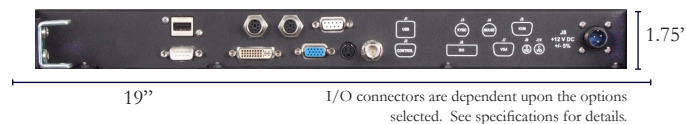

19" Hula Point Keyboard Option

1.75"

19" I/O connectors are dependent upon the options selected. See specifications for details.

Touch Pad Keyboard Option

Who We Are

CHASSIS PLANS

- Chassis Plans designs, fabricates and integrates standard and customized high-performance computing platforms and LCD monitors for military, industry, and commercial applications.
- Using COTS components, Chassis Plans provides solutions for customers who need reliable systems that will operate in a variety of harsh conditions and who require revision control and hardware consistency for multi-year programs.
- Chassis Plans is an ITAR Registered and SBA-certified small business that has been operating in Southern California for over a decade.

YOUR CONFIGURATION. ONE PART NUMBER.

- It's our mission to make your life easier, so our Sales Engineers will walk you through the ordering process, making sure the details are resolved and that you get what you need.
- One part number means easier procurement and less paperwork for you.
- Dedicated Sales and Program Managers.
- Last time buy opportunities for end-of-life components.

Chassis Plans
10840 Thornmint Road · San Diego, CA 92127

CCX-15-0117

For more information visit
www.chassis-plans.com
or call 858.571.4330

COTS Rugged Military Grade
1U Rackmount Keyboard Video Monitor

Screen Size 15", Specialty Display for Extreme Temperatures and Exceptionally Bright Environments

Assembled in the USA
ISO 9001:2008 Certified
ITAR Registered

Our CCX-15 high-bright display is a high-performance 1U rackmount clamshell LCD keyboard drawer offering a 15-inch transflective display with LED backlighting. The combination of transflective technology, AR filtering and very high brightness makes for an incredibly easy to see display in virtually any lighting condition, including direct sunlight. It also has exceptional strength and is relatively low weight.

Specifications for our standard products can always be customized to fit your unique application requirements.

In-house Engineering Department

Rapid Prototyping

Applications

- Airborne Operations
- Land-based Operations
- Seaborne Operations
- Telemetry
- Diagnostics
- Simulation
- C4ISR
- Communications
- Imaging
- Persistent Surveillance
- UAVs
- Automation
- Severe Environment Operations

Features

- Lightweight aluminum construction
- Enhanced clarity in bright sunlight
- Extreme temperature operation

Harsh Environments

Designed to meet or exceed MIL-STD-810G to the below specifications.

ALTITUDE
10,000 ft Operational, 40,000 ft Storage
MIL-STD-810, Method 500.5

HIGH TEMPERATURE
70°C Operational, 80°C Storage
MIL-STD-810, Method 501.5

LOW TEMPERATURE
-30°C Operational, -40°C Storage
MIL-STD-810, Method 502.5

HUMIDITY
5-95%, Non-condensing
MIL-STD-810, Method 507.5

BLOWING SAND AND DUST
Procedures I and II
MIL-STD-810, Method 510.5 *(bonded glass only)*

TRANSPORT VIBRATION
US Highway Truck and Air Transport
MIL-STD-810, Method 514.6

BENCH HANDLING SHOCK
Procedure VI, 50G @ 11ms
MIL-STD-810, Method 516.6

For more information visit
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or call 858.571.4330

COTS Rugged Military Grade 1U Rackmount KVM

CHASSIS PLANS®
Systems Engineered to Perform®

CCX-15 Panel Specifications

DIMENSIONS

19" X 1.75" X 24.4"   (482.6mm X 44.45mm X 619.76mm)

ENCLOSURE DETAILS

Construction

High-strength 5052-H32 aircraft-grade aluminum, solid milled front panel, includes Cable Management Arm (24.4" deep)

Powdercoating

Black per MIL-PRF-24712, Type IV, Class 3, Cardinal C214-BK110 polyester semi-gloss, fine texture

Plating

Chem-Film per MIL-C-5541F, Class 1A

Slides

Solid Bearing Slides (Friction Slides), 15.4-inches of travel

Lock-out button. Stainless self-locking hardware throughout

Includes Extension Bracket (0 to 6.5" extension)

Includes Extension Bracket (3 to 11" extension)

OPTIONAL DISPLAY ENHANCEMENTS

Safety Glass

Using 3mm smudge-resistant AR coated soda lime float glass, bonded to the LCD panel with optical index matched adhesive

EMI Protection

Using a laminate of 1.1mm smudge-resistant AR coated soda lime float glass panel and a 1.1 mm ITO coated glass panel (<12.5Ω/sq) grounded via a copper buss bar, bonded to the LCD panel with optical index matched adhesive

KVM SWITCH BOX

This option is available as a separate product.

Controller Specifications

	Standard	Advanced
SUPPORTED VIDEO RESOLUTION		
VGA (640 x 480)	•	•
WVGA (800 x 480)		•
SVGA (800 x 600)	•	•
XGA (1024 x 768)	•	•
SXGA (1280 x 1024)	•	•
WXGA (1366 x 768)		•
WXGA (1280 x 768, 1280 x 800, 1440 x 900)		•
WSXGA+ (1680 x 1050)		•
HD-1080 (1920 x 1080)		•
WUXGA (1920 x 1200)		•
INPUTS		
Standard		
ARGB (15 Pin VGA)	•	•
DVI-D Input	•	•
PAL / NTSC / SECAM		•
HDMI 1.3		•
Optional		
Composite Video Input		•
HD Component YPbPr		•
SD Component YCbCr		•
FEATURES		
Image Up-Scaling	•	•
Image Down-Scaling		•
Picture In Picture		•
Memory Buffer		•
Sync On Green/Composite	•	•
DV RS-232 Serial Protocol	•	•
Ethernet Command Protocol		•
Picture By Picture		•
Text Overlay Function		•
Variable Aspect		•
Freeze & Zoom Function		•
Programmable Hot Keys		•

Power Alternative

Chassis Plans' 2U-5U rackmount computer systems are designed with a removable back plate that allows a 12V power cord to run from the computer's power supply to a display or keyboard video monitor. This optional feature, the Exterior Power Jack, is available for this monitor.

By running the display with the computer systems' power supply, this Exterior Power Jack option can provide many benefits:

• Reduction in the number of required cables
• Elimination of additional equipment, i.e., a power brick
• Reduction in total system weight and cost

To enjoy these benefits, power up your new display with a Chassis Plans' server.

Keyboard Details

• Sealed silicone rubber keyboard
• 97 keys (Touch Pad) or 113 keys (Hula Point)
• 12 (Touch Pad) or 20 (Hula Point) function keys
• Integrated numeric pad
• High quality carbon-on-gold contacts
• Protection to NEMA 4 / IP65
• PS/2 or USB Connection
• Tactile keystroke
• 10,000,000 lifecycles per switch
• Built-in sealed Touch Pad or Hula Point mouse devices
• USB interface only on Touch Pad version
• USB or PS/2 interface on Hula Point version

Panel Details

	CCX-15
SCREEN DIAGONAL	15"
WEIGHT (system)	18 lbs
CONTRAST RATIO (typical)	1000:1
VIEWING ANGLE	80° (L/R/U/D)
RESPONSE TIME (typical)	17ms
NATIVE RESOLUTION	1024 x 768
BRIGHTNESS	950 cd/m²
BACKLIGHT	LED
COLORS	16.7M

Power Details

POWER INPUT (native 12 VDC with options)	AC input 85 to 264VAC, 1275/704 28VCD
POWER DISSIPATION (typical)	40 Watts
EXTERIOR POWER JACK (optional)	Yes