CHASSIS PLANS®
Systems Engineered to Perform®

CCI Displays Photos

19” Hula Point Keyboard Option

Touch Point Keyboard Option

1.75”

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

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.

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

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

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CCI-1216

COTS Rugged Industrial Grade 1U Rackmount Keyboard Video Monitor

MILITARY | INDUSTRIAL | COMMERCIAL

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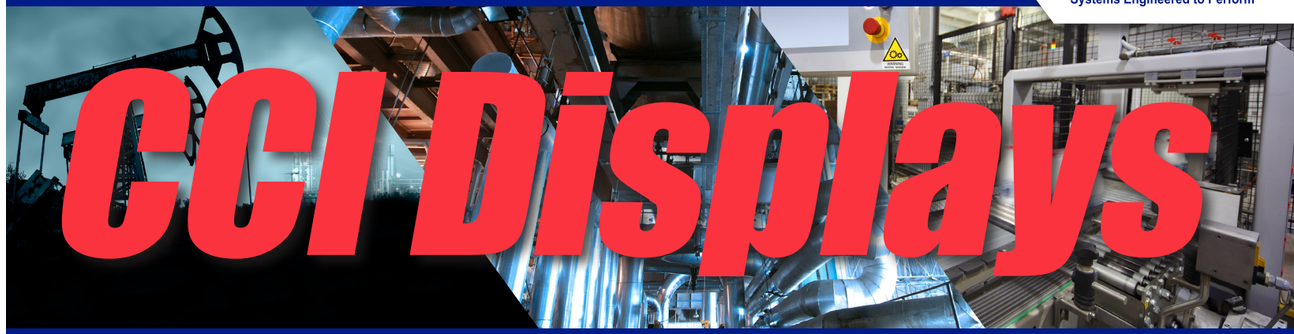

Screen Sizes 17” and 19”

Assembled in the USA
ISO 9001:2008 Certified
ITAR Registered

Our CCI Displays are high-performance 1U rackmount clamshell LCD keyboard drawers offering 17-inch and 19-inch displays that can be used for many rugged industrial applications. They include a solid milled aluminum front panel, lightweight 5052-H32 aluminum construction and locking stainless hardware throughout. Electrical components are selected for their inherent ruggedness and revision control.

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
- Communications
- Imaging
- Persistent Surveillance
- UAVs
- Automation
- Severe Environment Operations

Features

- Tested to MIL-STD-810G (below specs)
- Solid aluminum front panel
- Lightweight construction

Harsh Environments

Designed to meet or exceed the below environmental specifications.

ALTITUDE

10,000 ft Operational, 30,000 ft Storage

HIGH TEMPERATURE

17”: 70°C Operational, 80°C Storage
19”: 50°C Operational, 60°C Storage

LOW TEMPERATURE

17”: -20°C Operational, -30°C Storage
19”: 0°C Operational, -20°C Storage

HUMIDITY

5-95%, Non-condensing

BLOWING SAND AND DUST

Dust: 6 hours at 1750 ft/min air velocity
Sand: 90 min at 40 miles/hr air velocity
(bonded glass only)

VIBRATION

2G RMS 5-500Hz

BENCH HANDLING SHOCK DROP TEST

20G @ 11ms Duration

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COTS Rugged Industrial Grade 1U Rackmount KVM

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CCI 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.

Panel Details

	CCI-17	CCI-19
SCREEN DIAGONAL	17"	19"
WEIGHT (system)	19.5 lbs	21 lbs
CONTRAST RATIO (typical)	1000:1	1000:1
VIEWING ANGLE	80° (L/R/U/D)	80° (L/R/U/D)
RESPONSE TIME (typical)	30ms	5ms
NATIVE RESOLUTION	1280 x 1024	1280 x 1024
BRIGHTNESS	350 cd/m²	350 cd/m²
BACKLIGHT	LED	LED
COLORS	16.7M	16.7M

Power Details

POWER INPUT (native 12 VDC with options)	AC input 85 to 264VAC, 1275/704 28VCD	AC input 85 to 264VAC, 1275/704 28VCD
POWER DISSIPATION (typical)	42 Watts	41 Watts
EXTERIOR POWER JACK (optional)	Yes	Yes

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