Cordex® CXC HP

System Controller

- Advanced next-generation control and monitoring platform for Alpha's Cordex product family

- High resolution color touchscreen LCD display with advanced local UI

- Integrated USB host for local firmware upgrades, configuration updates and system backup/restoration

- Comprehensive graphical user interface for advanced system configuration

- Seamless integration of multiple energy systems allowing comprehensive management, monitoring and control

- External ADIO peripherals for customizing unique I/O configurations

- Compact flexible mounting options to reduce space requirements

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The Cordex CXC HP system controller provides a high performance control and monitoring option for all Alpha Cordex products.

The CXC HP brings a refreshed look, increased horsepower, and advanced configurability to the proven Cordex CXC controller family.

CXC HP includes multiple communication ports including two Ethernet connections to permit simultaneous local craft access as well as permanent LAN/WAN connectivity. Dual USB ports provide advanced file management capabilities including firmware upgrades and system configuration management. A USB key may also be used to quickly backup and restore site configuration settings and data logs.

The CXC HP web based user interface provides detailed inventory management allowing integration of advanced energy systems incorporating multiple power elements. Systems with various energy generation and storage elements can be configured and monitored with ease. Users may also create custom inventory such as shunts, LVD's, battery systems, and loads to effectively manage all aspects of their energy system. Cordex CXC HP ensures effortless operation and management to satisfy the most demanding and advanced energy system applications.

Cordex® CXC HP System Controller

P/N: 0180036

Features

User Interface

Local GUI:	LCD touch screen display for local access
Display:	Full graphic LCD, 480x272 pixels, with backlight and contrast adjustment
Web UI:	Embedded web based UI accessed via Ethernet using internet browser (Firefox, Chrome, IE)
Audio:	Built in multi-tone speaker
LED Indicators:	System OK – Green Minor – Amber Major/Critical - Red

Battery

- Automatic battery test
- Battery runtime and capacity indication
- Charge current control
- Temperature compensation
- Equalize
- Absorption charge settings with entry/exit criteria

System

- User management – Admin + 5 users with configurable access rights
- Advanced inventory management with custom inventory items
- User configurable alarms and custom data
- Advanced equation editing with timers and counters
- Software, firmware, and configuration file upgrade management
- CAN Bus interface to Cordex power electronics and peripherals
- Custom data logging and performance monitoring
- Power save feature for optimizing system efficiency

Communication

SNMP:	SNMP v3 via Ethernet. Compatible with subscription and discovery services
TCP/IP:	IPv4 or IPv6
Email:	SMTP via Ethernet

Communication Ports

CAN:	2x Ports for communication to Cordex series power electronics peripherals
Ethernet:	2x Ports front and rear; 10/100 Base T with full/half duplex; Auto MDI/MDI-X
USB:	2x USB 2.0 Ports front and rear

Electrical

Input Voltage:	10 to 60 Vdc

Mechanical

Dimensions:	**mm:** 83.5H x 153.8W x 46.2D **inches:** 3.3H x 6.1W x 1.8D
Weight:	0.45kg (1.0 lb)

Environmental

Temperature:	-40 to +65°C (-40 to 149°F)
Humidity:	0 to 95% RH non-condensing

Agency Compliance

Safety:	CSA C22.2 No 60950-1 CE Marked
EMC:	ETSI EN300-386V1.6.1
Emissions:	• CFR47 (FCC) Part 15 Class B • EN55022 (CISPR 22) Class B • C-Tick
Immunity:	EN 61000-4-2/3/4/5/6
NEBS:	NEBS Level 3 Certified

Related Components

3U Rack Mount Assembly:	0180046
DIN Rail Mount Kit:	0370190/0370196
Redundant Input Power Module:	0180045

CXC HP L-ADIO

System I/O Peripherals

Model	L-ADIO	6i-ADIO	HV-ADIO
P/N:	0180039	0180051	0180057
Mechanical:	**mm:** 84H x 200W x 30D **inches:** 3.3H x 7.9W x 1.2D	**mm:** 84H x 131W x 30D **inches:** 3.3H x 5.2W x 1.2D	**mm:** 84 x 198 x 38 **inches:** 3.3 x 7.8 x 1.5
Weight:	0.27kg (0.6lb)	0.20kg (0.44lb)	1kg (2lb)
Voltage Inputs:	4 BiV (-60 to +60Vdc)	–	2 (±300Vdc)
Shunt Inputs:	4 (25 to 200mV)	6 (25 to 200mV)	1 (25 to 200mv)
Temp Inputs:	4	–	2
Digital Inputs:	8	–	4
Relay Outputs:	12 (60V rated)	–	6 (220V rated)
DCCT Inputs:	–	–	2 (±10Vdc)