

OUR MOST ADVANCED DESIGN AND PROGRAMMING. EXTRIUM::DB - for database- gets all the features of the EXTRIUM family plus an integrated 4000 accounts database to decode and display alarm information on front display. EXTRIUM::DB caters to the Central who wants an extreme alarm receiver and it also finds its place in a Guard booths, hospital wards, factory floors and police stations. No PC required for stand alone information as you get alarm codes description, account info and action to take in plain text! Add to this the innovative design and redundancy features of the EXTRIUM family and you get new extremes in alarm receivers. Available Q1 2007



## Technical Specifications

At MCDI SP we think inside the box but what a box we made!



Raise integrated stand for easy reading in stand alone mode.



Flat for easy stacking and use of multiple D3 with inexpensive USB hub or IP router.



Remove outer cover for installation inside a PC or a server in a standard CD/HD slot

### Listen-in and two way now integrated

Extrium comes equipped with 3 ways to listen to the audio feed from supervised panels. Select the audio feed for connected headsets or integrated speaker or send the audio feed over IP to the SECURITHOR monitoring software. No more messy trunks of phone cables. Even if a Central manages several lines and several operator consoles, it is now easy to route audio from phone lines directly to the right operators PC. Listen-in and two way voice signals are converted by EXTRIUM and sent over the LAN by IP to the correct workstation processing the alarm in SECURITHOR. Response from operator is routed back to the phone line and to the supervised panel.

### Alarm codes you can read

EXTRIUM::DB is equipped with an internal 4000 accounts database you can build on a PC or in SECURITHOR and upload to EXTRIUM::DB. E:DB displays alarm code information, account info and action to take right in front of the LCD display so staff such as guards can take action on a signal right without having to consult monitoring software or rolodex cards. This database can be uploaded by a Central IT department at will.

### Extend database with SECURITHOR

EXTRIUM::DB units can be connected to a SECURITHOR'S SQL database instead of EXTRIUM's internal database. Each alarm signal is then matched to ST database so each signal gets account, alarm codes and action information from ST virtually unlimited SQL database. IT department will find it easy to manage.

### Power management: 3 electrical sources

Not 1 but 3 power inputs with automatic fall-over! From conventional AC-DC power adapter, from an external 12V battery or from an internal lithium-ion battery, when one power source goes down, the other ones can automatically take over without any interruption to EXTRIUM::DB functioning making Edb one of a kind receiver for remote installations.

### Internal Lithium-Ion battery

EXTRIUM is equipped with a Li-ON internal battery to insure one hour of continuous operation during maintenance or in case of a power shut down. Battery management and remaining battery time are displayed on screen giving EXTRIUM the ultimate in power redundancy.

### Dual Inputs: 2 phone lines and 2nd receiver.

EXTRIUM:DB handles signals coming from 2 internal phone lines and from connected compatible Alarm receiver. EXTRIUM:DB is equipped with 2 RJ11 phone line jacks. Alarms can be received on both lines simultaneously. Lines are identified with a line number (0 to 255) for the Monitoring Software.

You can add lines to EXTRIUM:DB by adding our low cost EXSA receivers and integrated all of them in a server or PC for easy management. EXTRIUM:DB will also handle outputs from compatible legacy alarm receivers.

### Up to five Outputs and 32 IP destinations: The ultimate redundancy.

EXTRIUM:DB is equipped with 4 separate outputs: 1 USB, 1 ethernet, 3 serials (flow control on S1). All heartbeat and acknowledge management are handled by internal Cognitum programming for logging signals at several destination (multi-site reporting) or for handling fall-over of alarm signals. When one destination does not send acknowledge, alarm signals are automatically routed to alternate destination. Up to 32 IP destinations can be defined in EXTRIUM:DB making sure no alarm signals is left unattended.

### Multi-lingual display

All configuration menus are available in French, English, Spanish, German or Russian. Alarm code definition are standardized in English and can be modified using configuration software on connected PC. Double-byte alphabets to be added in 2007.

### Getting old receivers back in the game.

Edb can bring a new life to an old receiver. Edb is equipped with 2 serial ports for handling outputs from older receivers reporting in Sur-Gard, Ademco 685 and MCDI formats (SG, OH Quickalert, Ademco 685, MCDI SA-TLR+, D1 and D2). Edb 2 serial inputs can extend Edb capacity up to 30



lines with Edb reporting management and ability to send alarm events from those old receivers over IP.

Edb extends display features to connected receivers giving you legible alarms from a legacy receiver.

### Internal receiver: 2 phone lines

Edb is equipped with a MCDI SP Generation 3 Exprecium board. Next generation Exprecium D will also fit in Edb cases. Also available without internal receiver on special order.

### RoHS compliant

All members of the EXTRIUM family are RoHS compliant for Europe and Japan. MCDI supports ecological choice in electronics and is manufacturing without lead, cadmium or PBB.

### Memory

64000 events are stored in Edb. Equipped with a removable SD card for backup and logging. Log memory can be extended by increasing SC card size.

### Working design

Several design choices make Edb the best design available in the Security Industry.

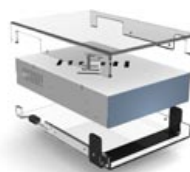
### The EXTRIUM box

At MCDI, thinking inside the box means we make special boxes that can be used several ways. Edb outer cover includes a stand for raised or stackable position as a desktop unit. Remove outer cover and Edb can be used inside a PC or a server because it's the exact form factor of a CD unit/hardrive unit. Exactly what you need for operation in a server colocation rack or a remote unattended location. PC standardized screws on sides make also to easy and secure fixing in a guard booths or factory plants.

Fan-less design and no mechanical moving parts for operation ensure you get the most uptime. EXTRIUM was designed with remote unattended operation in mind.

No springs buttons: Edb buttons are sealed and incorporated in front membranes. All buttons and LCD display are backlighted for night operation.

Neat anodized finish -RoHS compliant. Acrylic removable outer box cover.



### DISPLAY: KEYPAD AND CONTINUOUS STATUS

Easy to use front display with 9 navigation buttons keypad for easy navigation. All Buttons are sealed for durability. Positive touch is confirmed by an audio tone. 256 x 64 graphical display in easy to read in black on blue. Status in permanent display on screen. Alert



messages displayed on screen. Buttons and LCD display are backlighted for night/low light operation.

Advanced functions such as IP configuration and DB uploading are part of AXE software configurator supplied with EXTRIUM:DB: and require a windows XP/Vista PC over IP for configuration/uploading. PC not required for alarm receiving or stand alone operation.

### Automation software

EXTRIUM:DB is design to work at his best with SECURITHOR from MCDI SP for audio and database integration. But it's also compatible with most Automation Software on the market including SAMM, WINSAMM, Patriot, Bold, SIS, SIMS, Centralworks. Reporting to Automation software in MCDI, MCDI enhanced, SG MLR2, MRL2000 modes. Supports 3 digits line numbers and 3 digits receiver numbers in MCDI and SG enhanced modes.



### Printer wise: Made for USB printer!

EXTRIUM lets you use USB printers by buffering alarms in order to fill complete pages. A4, letter and legal formats can be selected. EXTRIUM comes equipped with several ports so you can use one for your monitoring software and one to inexpensive and reliable Point of Sales thermal printers (USB or serial). With 4 outputs, you can also elect not to print but to keep a log on your PC with MCDI SP supplied logger. IP capabilities also means that you can send events to out of walls destination for logging when using internet connection.

### Warranty

EXTRIUM is backed by MCDI SP 3 years limited warranty and MCDI SP legendary support. RoHS compliant versions are covered by a 2 years limited warranty. MCDI SP offers first line support in English, Spanish and French. EXTRIUM is designed for troubleshooting over internet by MCDI SP and programming upgrades are free during the warranty period.

Available Q1 2007 at selected MCDI SP power centres as: EXTRIUM:DB CPU with 2 phone lines receiver/integrated audio CONCENTRATOR CPU without integrated receiver/audio. All units RoHS on demand. Preliminary specifications. Subject to change without further notice.





## Introducing the EXTRIUM family

Extrium simply stands for EXTREME. Performances and features not typically seen in alarm receivers are now obtained in the Extrium family line. EXTRIUM logo symbolizes the waves coming from a Central point. That's exactly what EXTRIUM does. It collects alarm signals from various sources and broadcast those signals according to a routing programming and redundant arrangements defined by the CMS.



EXTRIUM goal is zero downtime! At the heart of the EXTRIUM family is a dedicated new ARM processor equivalent to a PC with it's own linux programming. Such embedded power was never seen in alarm receivers before the advent of EXTRIUM. Programming derived from Catapult and MCDI SP's Cognitum software are now integrated in all EXTRIUM receivers.

### New box and form factor

EXTRIUM can go anywhere. By a new form factor i.e. a box which servers and PCs or stand as a desktop we made sure you could use EXTRIUM in all sorts of situation and even if you don't go to extremes, you still benefit from it's efficient mechanical design with fan-less operation, operation without moving parts and internal lithium-ion battery.



### Power management: triple redundancy

All EXTRIUM units are designed with uptime in mind. Not 1 but 3 power sources are available with automatic fall back. From the 2 external power sources (ac-dc adapter, 12V battery) to the internal Lithium-ion rechargeable battery.

### Multiple Outputs

Each EXTRIUM units is equipped with a serial port, an ethernet port, a USB port and some have 2 more serial ports for inputs or outputs.

### √RoHS compliant

Made especially to meet Europe and Japan RoHS and WEEE requirements, all members of the EXTRIUM family are available as RoHS compliant on request. EXTRIUM are the only alarm receiver totally made with lead free components.

## The complete family

**D4** with integrated 2 phone lines. This first member of the family gets you a performance equivalent to D2 and D3 plus part of the EXTRIUM family programming and features such as internal battery, 2 way voice to IP and 3 outputs.



**Concentrator** cpu only, no internal receiver. Manages inputs from traditional receivers or IP panels



**Extrium receiver** with an integrated 2 phone line, all the features of the EXTRIUM family except integrated Database



**Extrium::db** is complete with internal database of 4000 accounts or linked to SECURITHOR software for unlimited number of accounts. Extrium::db shows account information, alarm codes in clear text, action to take according to the complete list of info in the account. Ideal for stand alone monitoring without PC.

**D6:** horsepowers! 6 lines and 2 way voice to IP rebound in only one rack-mount space.

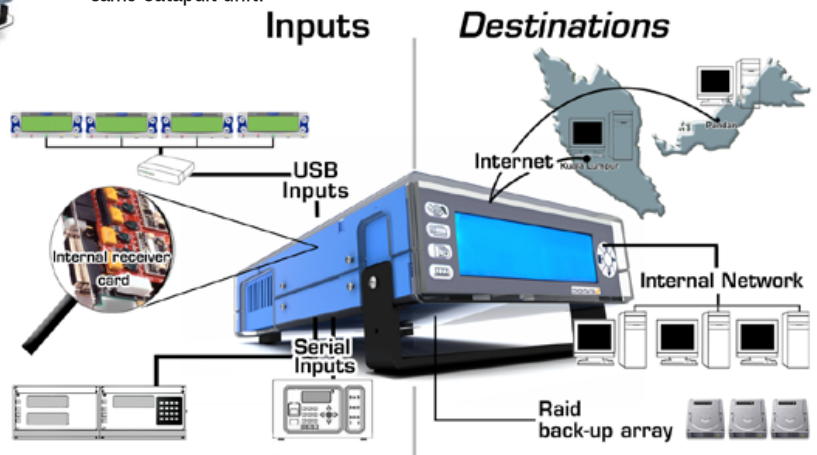


## Where do you want your alarms to go?

A key concept for EXTRIUM is **destinations**. A destination in the EXTRIUM world is a serial output, a network, a printer, an IP address in the network or any IP address you choose over the Internet. Each alarm receiving device connected to EXTRIUM can be routed to a specific destination, thus enabling the grouping of devices to the same destination. Several virtual receivers can be defined in Catapult this way.

### Destinations: separate, alternate or redundant.

Up to 32 virtual receivers (IP output) can be defined in EXTRIUM. This way 32 different virtual receivers can be created in EXTRIUM and they can send signals to different IP destinations on a network or trough the Internet. This enables you to run up to 32 different Central Monitoring Stations with the same Catapult unit.



**Alternate** When any one destination can't be reached or will not send back Acknowledge, your choice of alternate destination is automatically called upon to received alarm signals. Notification of communication breakdown can be programmed as part of destinations.

**Redundant** Redundant destinations can also be selected in EXTRIUM. One signal can be sent to many destinations to enable redundant processing or for example logging. For example, alarm signals can be sent to an external IP address for logging while you are monitoring events on your network.

**Listen-in and 2 WAY voice** integration with CMS software EXTRIUM units with integrated receivers all have the capacity to route audio signals from receivers over IP to MCDI SP's SECURITHOR CMS software. No more web of wires!

**Getting old receivers back in the game** With some Extrium models you can connect older receivers such as SLR, MLR2, SK9000 or Ademco 685 to EXTRIUM serial inputs. Those signals will be integrated to EXTRIUM redundancy check routine, reformatted and sent to your CMS software over serial port or IP with EXTRIUM advanced destination management. Extrium::db is even able to decode those signals to give you readable alarms on screen.

**Receiving alarms from IP panels** MCDI SP is working with several manufacturers to integrate alarm signals from IP panels. JR Security panels will be integrated in the Extrium::CPU model in 2007.



## MSP products are also available at the following distributors and retailers:

ARGENTINA  
FIESA S.R.L.  
Av. De Los Incas 4154/56  
(C1427DNT) Capital Federal  
Buenos Aires Argentina  
Tel: (54 11) 4551-5100  
ventas@fiesa.com.ar

DR IMPORTS  
Security Systems S.R.L.  
Padre Vanini 344  
(1603) Villa Martelli  
Buenos Aires Argentina  
tel: +54-11-4730-3051  
ventas@drimports.com.ar

BENELUX  
Rimex Kelmis  
Route de Liège 245  
B - 4720 La Calamine  
Tél: +32 (0)87 63 92 50  
jtoussaint@rimex.be

BRASIL  
MCDI DO BRASIL  
MCDI Comércio de Equipamentos Eletrônicos  
Ltda  
Fone/Fax: +55(54) 3221-1727  
Eng. Teodorico A. Eberle  
brasil@mcdi.com.br

CANADA  
ALMEX  
3853 Trelawny Circle  
Mississauga, Ontario  
Canada L5N 6S4  
PH: 905-785-0855  
sales@almexltd.com

MCDI Security Products inc.  
7055 Jean-Bourdon  
Montreal QC H4K 1G7  
PH: 514-481-1067  
sales@mcdi.com

CHILE  
Artilec Limitada  
LOS LEONES 3043  
NUNOA - SANTIAGO CHILE  
TEL: ( 562 ) 246 5800  
artilec@artilec.cl

EPCOM Chile  
CORDILLERA 321  
MODULO A12 FLEXCENTER  
PUERTO VESPUCIO QUILICURA  
SANTIAGO CHILE  
TEL (562) 73900103 FAX (562)739-09770

COLOMBIA  
EPCOM Colombia  
Avenida 6 N, No. 49-06  
Tel 00-57-2-666-1583  
84 CALI, COLOMBIA

### DEUTSCHLAND

**asl-ademco**

ASL- GmbH  
ADEMCO Sicherheitstechnik Logistikzentrum  
Germany D-57627 HACHENBURG  
Lindenstrasse 70  
Tel: +49 -(0) 26 62-9 54 10  
Fax: +49-(0) 26 62-95 41 56

ECUADOR  
GEOTRONIX, S.A.  
Tomas Bermur N38-84  
Quito-Ecuador.  
Tel (593)22249687, (593)99249878  
gerancia@geotronix.com.ec

EL SALVADOR  
SISTEMAS DE INTEGRACION TECNOLOGICOS  
DISTRIBUCION DE SISTEMAS DE SEGURIDAD  
Av. Los bambues # 191-A, col. Miralvalle  
Tel 503-284-9108  
SAN SALVADOR, EL SALVADOR  
sitecnicos@yahoo.com

ESPAÑA  
J.R. Sistemas de Seguridad  
Rosellón, 52-54  
E-08029 Barcelona (Espana)  
Tel: +34 93 4 94 84 40  
jrsecurity@jrsecurity.com

FRANCE  
AEM Sécurité  
31, rue Turgot  
68110 ILLZACH  
France  
PH: +33 3 89 66 14 33  
aem.securite@wanadoo.fr  
www.aem-securite.fr

GREECE  
PARADOX HELLAS  
Korinthou 3 Str. Metamorfoosi 144 51  
Greece  
PH: 210 285 5000  
sales@paradox.gr

ITALIA  
EL.MO. Spa  
Via Pontarola, 70  
35011 Reschigliano di Campodarsego (Pd)  
Tel. +39 049 920.33.33 - Fax +39 049  
92.00.306  
Hot Line +39 049 92.00.426  
info@elmo.it

Sede Pinkerton - Italia  
via B.Provaglia, 9 40138 Bologna ITALIA  
Uff.: +39-051-531681  
Fax: +39-051-531658  
pinkerton.bo@tiscalinet.it

MALAYSIA  
Stratel (M) Sdn BHD  
17-3, Jalan P.J.U 1/39,  
Dataran Prima,  
47301 Petaling Jaya, Selangor DE, Malaysia.  
Tel: 603-78805913 (Hunting Line)  
sales@stratel.com.my

### MEXICO



En la República Mexicana:  
01 614 415-2525  
En Estados Unidos  
Teléfono: +1 915 533-5119  
Ave. 20 de Noviembre #805 Chihuahua,  
Chih. C.P.31000 Méx.  
nternacionales: (52)+(614)+15-25-25  
**www.syscom.com.mx**  
ventas@syscom.com.mx

NETHERLANDS  
van Ovost Automatisering bv  
Erveweg 4,  
8196 KG Welsum,  
the Netherlands,  
tel.: +31-570-563691  
BTW : NL. 8099.04.214.B01  
info@ovost.nl

NEW ZEALAND  
Patriot Systems Ltd  
PO Box 1295  
Level 1, Harcourt's Building  
151 Grey Street  
Gisborne, New Zealand.  
Ph: +64 6 8677483  
sales@patriot.co.nz

PERU  
SEGO Seguridad Optima S.A.  
Dirección: Armando Blondet 195.  
San Isidro,Lima. Peru  
Teléfono: (511)4421669  
Ing. Alejandro Alva Solari  
ventas@sego.com.pe

PORTUGAL  
PRESTECNICA, Lda  
VILA AMELIA LOTE 109 PAV. A QUINTA  
DA TORRE  
2950-805 PALMELA  
TEL - 212103514 227720850  
www.prestecnica.com  
antoniogomes@prestecnica.com

RUSSIA  
Distributor: Navigator Group  
6, Cherniahovsky str. Kaliningrad  
236000 Russia  
tel (9022) 38-68-66  
+7 (4012) 71-68-66  
info@navigatorgrp.com  
www.navigatorgrp.com

St-Petersburg  
Alpro Ltd  
194100, 70, Bolshoy Sampsonievskiy  
ave., lit. «B»  
St.Petersburg, Russia ,197022  
Tel./Fax +7 (812) 702-17-52  
E-mail: alpro@alpro.ru  
www.alpro.ru

Moscow  
Contur SB Ltd.  
16/4 Dokukina str., 2nd floor, Russia,  
Moscow, 125094  
Tel. +7 (495) 518-61-81,  
http://www.contursb.ru

Moscow  
GALFORT  
Russia, 119146, Moscow,  
Komsomolskiy prospect 23/7, korp.2  
Tel: +7 495 933-4883 (multichannel),  
galfort@galfort.ru  
http://www.galfort.ru

URUGUAY  
MICROFAL S.A.  
Av.Bolivia 2040  
TELFAX: (598 2) 604 4362  
TEL: (598 2) 604 2908  
Montevideo Uruguay  
info@microfal.com

U.S.A.  
All MCDI Products:  
MCDI Security Products Inc.  
7055 Jean-Bourdon Ave  
Montreal QC H4K 1G7  
CANADA  
English speaking line: 1-514-481-1067  
Spanish speaking line: 1-514-487-0441  
Fax: 1-514-481-1487  
mcdi@mcdi.com  
www.mcdi.com

Hardware products:  
JABCO Inc.  
Alarmsoft  
PO BOX 7246  
Norfolk Virginia 23509  
USA  
PH: 757-513-4686  
SALES: 1-800-234-0064  
sales@alarmssoft.com  
www.alarmssoft.com

MCDI SP products are also sold directly  
in many countries where MCDI SP is not  
represented. Contact us at:  
sales@mcdi.com  
+514-481-1067

BECOMING A MCDI SP DEALER:  
We are currently looking for dealers in  
several countries. If you think your orga-  
nization can benefit from reselling MCDI  
SP products, do not hesitate to contact  
us with a brief presentation of your com-  
pany, your local market and products you  
already represent at:  
dealership@mcdi.com  
+514-481-1067



# MCDI

SECURITY PRODUCTS