Workhorses for Central Monitoring Stations!

Get 6 phone lines in just one rack-mount unit for real space saving! With a processor for each 6 lines, 3 power sources for each D5 or D6 and unique MCDI SP Cognitum programming, you get real integrated redundancy you can count on without the costs of big boxes.

Attention to details such as front service and fan-less design are part of the design of D5 and D6.

Out of the box operation: No factory technicians needed to set-up nor strange menus. Power up and you are ready to use most features.

D6 is the best choice for dual reporting and 2 way voice

Where do you want your alarm signals to go?

With the unique ability to report to several destinations, D6 is the best choice for dual reporting from remote factory plants, embassies, and regional monitoring to headquarters ensuring not only tremendous phone saving costs but giving the opportunity to gather alarm signal information from anywhere in the world. Coupled with D6 abilities to work unattended and being controlled from distance, you get a truly unique professional receiver.

RoHS compliance: Receivers for the EXTRIUM family are the only receivers RoHS compliant to Europe and Japan ecological electronic manufacturing directives. D6 does not contain lead, cadmium or PBB.

ARM processor and embedded linux to get fast, reliable computing without compromise.

MCDI triple power redundancy: AC feed, 12V DC battery input and internal one hour lithium-ion battery. All with automatic fall-over for the best uptime even during major power outage.

Advanced Signal reporting: D5/D6 programming is based on MCDI SP Cognitum. Cognitum stands for knowledge and D5/D6 will let you report alarm signals nearly everywhere you want. D5/D6 are able to get alarm signals to several destinations over serial, USB and IP ports allowing back-up Centrals to take over and signal logging to a remote building. 4 destinations (over IP) can be programmed in D5 and D6.

Integrated fall over/heartbeat management

When a destination does not send acknowledge of an event, D5 and D6 Cognitum programming automatically sends events to alternate destination. An alternate Control Room can take over when main Control Room does not send acknowledge. With Cognitum unique fall over signal management you can insure the best uptime to your dealers and subscribers.

Email reports: D5 and D6 send internal messages and Daily Status report to 4 email addresses. Connection to the internet required.

Listen-in / 2 way voice integrated and routed to Operators over IP is standard in D6. You get more tools for alarm verification without the high cost of PBX systems and you get the space saving of skipping wire trunks and telephony equipment. D6 audio IP is integrated in MCDI SP’s SECURITHOR Monitoring Software to automatically route audio feeds to the operator processing the alarm.

Attention to details such as front service and fan-less design are part of the design of D5 and D6.

Attention to design with front service for live hot swap maintenance. Upgrades and support are handled over IP by MCDI SP Support staff. No mechanical parts for operation and fan-less design insure your receiver does not go down because of prone to break parts.

Out of the box operation: No factory technicians needed to set-up nor strange menus. Power up and you are ready to use most features.
Integrated listen-in/2 way audio
Each time D5 and D6 recognizes a listen-in or 2 way audio code such as Contact ID E606, the phone line is kept open to allow communication between operator and subscriber trough compatible alarm panel. This is one of the least costly way to check for false alarms. In D6, Audio from the phone line is routed on LAN over IP to the operators headset for bidirectional audio communication. When used with MCDI SP SECURITHOR, this routing is made automatically ensuring the audio signals gets routed to the operator currently processing the alarm signal. No high cost PBX or transfer system needed at a lot of space saving. Phone client integrated in SECURITHOR STI.2 (to come) and network versions. IP phone client (Win XP, Vista and 7) supplied.

Remote upgrade and control
Upgrades and support are easily done over IP by MCDI SP support staff. With small form factor, operation and signal redundancy, D5 and D6 can be installed at remote location for multi-city Monitoring. Configuration over IP using SSL encryption.

Remote diagnostic
Integrated remote diagnostic function enables MCDI SP to troubleshoot and upgrade D5 and D6 units over IP when the unit is connected to the internet. A special 2 way secure procedure lets you enable this function only when you decide it and will only allow MCDI SP support personnel who will troubleshoot, configure or upgrade your unit even from the other side of the world.

MEMORY and logs
D5/D6 are equipped with the largest memory in the industry: 4,000,000 events for 6 lines! Logs are also available and stored on SD card located at the back of unit. Logs are available for download over IP as comma delimited. Windows compiler supplied for easy descriptive stats and analysis of traffic such as number of calls per line and distribution in time.

Connectivity
D5/D6 output to CMS software using Serial output (flow control) or IP. Multiple D6 can be connected to IP HUB/switch) connected to Server/PC of CMS software such as SECURITHOR.

Connected Station Requirements
D5/D6 can be configured and operated without PC. PC/OS requirements when connected: P4 1.5 GHz or more. 2GB hard-drive, 256 MB ram, windows XP or Vista. IP audio: PC with SECURITHOR audio module. IP reporting: Windows XP or VISTA. USB: available to Windows 98, ME, 2000, XP, Linux 2.6+. Serial output D5S, Windows 9x, ME, 2000, XP, VISTA, Linux. Output only DDS, Windows 3.1, WIN 9x and ME, Linux. Output and configuration: WIN XP, VISTA and 7 (with .net 2.0 installed)

Dimensions
Standard one rack-mount unit 19 inches (W) x 1.75 in (H) x 10 in (L) Aluminium, anodized finish. Weight: 2.5 Kg. Shipping weight 4.5 Kg. Available as D5, D5r (without audio module) or D6 audio module available Q1 2012.

PERS at low cost.
Multiple destination reporting, 2 way voice/listen-in to IP audio make D6 the best package for any Central who wants to go into PERS Personal Emergency System Monitoring without encountering the costs of PEX and transfer systems. D6 audio IP format is compatible with SECURITHOR from MCDI and delivered with windows phone applications. Operators can link to alarm lines and talk through headsets connected in their PC’s sound cards. Compatible with Turnstall TiNew format.

Automation software Compatibility
D5/D6 are compatible with most Automation Software on the market including SECURITHOR, SIAAM, WINSAMM, Patriot, A-Iraq, Bola, SIS, SIMS, Centralworks. Reporting to Automation software in MCDI, MCDI enhanced, SG, MLR2, MRL2000 modes. Support 3 digits line numbers and 3 digits receiver numbers in MCDI and SG enhanced modes.

Receives most alarm protocol on the market from Pulse to SIAA.

LCD display
D5/D6 provides on screen readout of alarms using standards Contact ID and SIA tables.

Status of most important parameters available on front LCD at all time. Heatbeat, lines status, dead line detection, power sources are all reported on front graphic LCD. Buttons and LCD are backlighted for night/low light operation. Internal temperature sensor alerts you of temperature warning especially in close rack operation or when running in tropical climates.
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 adopting a new form factor i.e. a box which can fit in 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. EXTRIUM is made to meet all Japanese, European and American requirements.

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 5 IP destinations can be defined in EXTRIUM. Define destination as alternate or back-up. EXTRIUM is supervising communication with destination and can be set to send to a back-up destination if main destination fails. Alternate When any one destination can’t be reached or will not send back-
What is RoHS compliance?
Since July 2006, to reduce the pollution made by a growing electronic market, all electronics products entering the EU must comply to the RoHS directive. China has already stated that all products including electronics parts must be made without Lead (Pb), Cadmium (Cd), Mercury (Hg), Hexavalent chromium (Cr(VI)), Polybrominated biphenyl (PBB) and Polybrominated diphenyl ether (PBDE) flame retardants. Source: www.rohs.gov.uk

This means that MCDI changed its design and manufacturing process to insure no parts containing those contaminants are used in new models. This includes insuring the assembly and soldering line doesn’t use lead and is now soldering using a tin/tin alloy at right temperature controlled temperature. All the process of making and shipping an alarm receiver is now regulated at MCDI to ensure all our operations is RoHS compliant. Even repair benches are now separated for older and newer receivers to insure there is no contamination from lead soldering.

MCDI the first RoHS alarm receiver manufacturer
MCDI introduced Exprecium E3, Decrypta 3, Decrypta 5 and 6, the first RoHS compliant alarm receivers. All other manufacturers are offering old Non RoHS compliant design very often manufactured prior to 2006. Very often, older designs has not all parts RoHS compliant equivalent.

RoHS, it shows!
The new Exprecium E3 and Decrypta 3 both bear the green colour and a new logo integrating a stylized green leaf. New Decrypta 5 and 6 are only made RoHS compliant.

The ecological details do not stop at manufacturing without lead. E3 is nearly half the size of the previous Decrypta D2. We also put our attention to packaging in order to reduce the amount of carbon used and the amount of wrapping material. We redesigned a new shipping box able to withstand the pressure of air shipping more than once so it can be re-used to return a D3, a EXSA or Extrium for upgrade, exchange or WEEE recycling.

The effect of RoHS compliance on design
MCDI commitment to RoHS compliant is not just in manufacturing. All new products are made using RoHS components which brings new design such as the EXTRIUM family and Decrypta 6. Even if RoHS compliance is not mandatory in a country, customers still benefits from electronics and programming redesigns. Using new compliant parts also means new features are introduced in products.

WEEE disposal now offered by MCDI
MCDI commitment doesn’t stop at making greener products. At the end of life of a MCDI product, we will take it back for environmental recycling. Look for the WEEE (Waste Electrical and Electronic Equipment) logo on MCDI boxes.
MSP products are also available at the following distributors and retailers: