



EXPRECIUM™ makes alarm monitoring easy for Industry, Building, Health Services, Security and OEM. EXPRECIUM™ is a full format PC based alarm receiver card. With two phone lines per board, Exprecium gives you the power to turn your PC into a powerful alarm receiver. Starting with one board, you can add boards as your Monitoring Station grows.

Exprecium fits into PCs with a PCI bus. Exprecium does not impose a logical limit to the number of customers per line and with large size memory, fast modem circuit, improved PC bus interface and Caller ID option, EXPRECIUM adds a new dimension to Alarm Receiving and PC integrated Monitoring Station. As all MCDI receivers, Exprecium is packed with several features to make your Central reliable like a direct printer output and a battery connector to make sure you keep on receiving even if your PC is down. Available as Exprecium 1, Exprecium 2 (Generation 2 advanced programming) and Exprecium 3 (RoHS compliant for Europe and Japan).

Technical Specifications

Models

Exprecium 1: standard

Exprecium 2: advanced programming

Exprecium 3: E2+ RoHS compliance for Europe and Japan

Communications:

Exprecium provides 2 RJ11 type jacks for telephone line connection.

Type:	Pulse, DTMF, FSK
Reception Speed:	10, 20, 40 pps DR / CS
Handshake and Kiss-off:	1400Hz / 2300Hz / 2225Hz
Pulse Frequency:	1800Hz / 1900Hz
Telim/Robofon:	1180Hz / 1100Hz

Reception Formats supported:

Acron	Radionics 6500
Ademco:	Radionics extended
- Slow/Fast;	Sescoa Slow, Super Fast
- Contact ID;	Sescoa Standard
- Extended;	SIA
- Express;	Silent Knight Slow
- High Speed	Stratel
FBI Super Fast	Napco Point ID
MCDI-Take-a-look	BFSK,CFSK, VFSK
3x1	3x1 extended
4x1	3x1 extended compressed 4x2
4x1 extended	4x1 extended compressed 4x2
4x2	Zero removed 3x1, 4x1, extended.
Optex's Varitech	C&K: Bell 103A2 or CCIT (option)
Tunstall TTnew (Exprecium 3 RoHS only)	

For Germany and Scandinavia (option): Telim/ Robofon

All boards are delivered with Bell 103 on both lines. Please specify for Telim, Robofon or CCIT.

Printer Output:

Standard DB25 connector for Centronics Parallel Interface. Card linking arrangement allowing one printer to serve all MCDI PCB receivers in PC.



Turn your PC into a powerful alarm receiver

Event Logging when PC is absent:

EXPRECIUM stores last 1800 events when PC is down.

Power Requirements:

From computer +12V Supply: 300 mA max.
From 6V Battery (standby): 300 mA

Station Requirements:

PC computer Pentium 2 and up. Table top size enclosure with PCI bus. DOS, Linux, Windows 95 SE, 98, ME, 2000 or XP. 16 Mb RAM, 20MB free hard disk space. PC addressing: PC must have Plug & Play BIOS. Printer with Centronics parallel interface and cable with DB25 connector.

Battery Back-up:

EXPRECIUM provides charging and supervision circuitry for an external 6-Volt battery (not supplied). 12V battery may be used but no charging will occur. Charging Voltage 6.7 volts, Charging Current Limit 500 mA.

Monitoring Software:

All Exprecium interfaces with Monitoring software in MCDI SP mode, Ademco™ 685 emulation mode and SurGard™ emulation mode. Exprecium is compatible with most Automation software on the market including SECURITHOR, SAMM X, WINSAMM, Centralworks, ABM, Patriot, SIS and SIMS.

Optional remote control MRD1000:

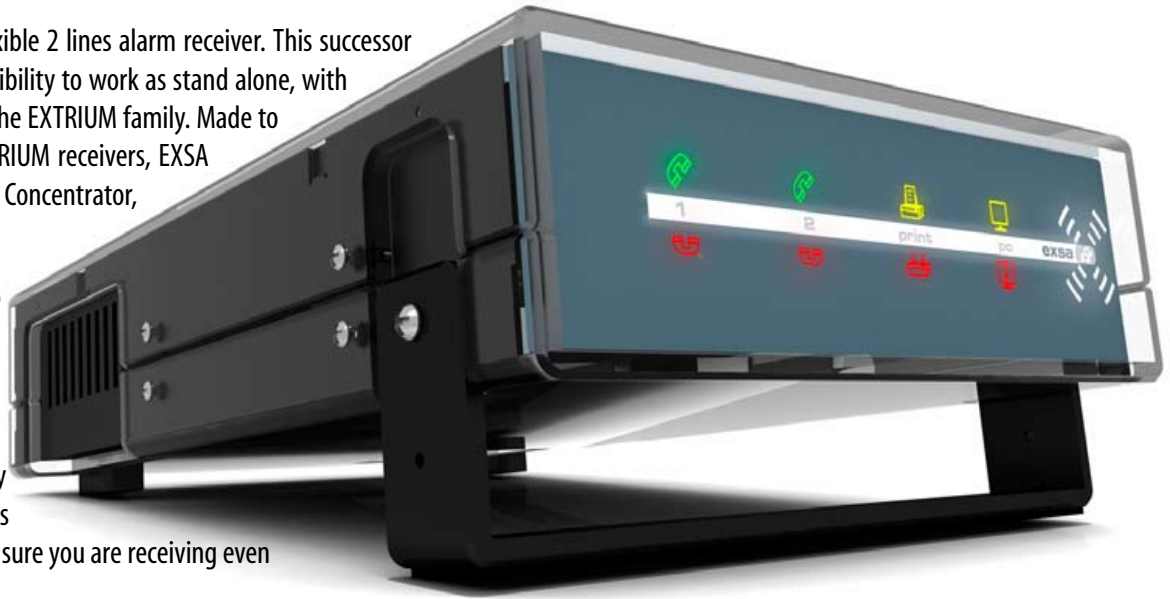
-Configures and operates EXPRECIUM
-Displays incoming signals/controls on 2 lines by 20 characters.
-Power fed by EXPRECIUM
-External self contained unit or mounted in PC's CD slot.
-Configuration menus in English, French, Spanish and Portuguese



EXSA is our easy to use and flexible 2 lines alarm receiver. This successor to MCDI SA-TLR+ gives you flexibility to work as stand alone, with a PC or with any product from the EXTRIUM family. Made to extend the line capacity of EXTRIUM receivers, EXSA will add 2 lines to your D4, Concentrator, EXTRIUM or EXTRIUM::DB.

EXSA also gives the power to turn your PC or laptop into a powerful two phone line alarm receiver.

Built-in MCDI SP redundancy features such as dual outputs and dual power sources to make sure you are receiving even if your PC is down.



Technical Specifications

Communications:

EXSA provides 2 RJ11 type jacks for telephone line connection. Built-in dead line detection.

Type:	Pulse, DTMF, FSK
Reception Speed:	10, 20, 40 pps DR/CS
Handshake and Kiss-off:	1400Hz /2300Hz/2225Hz
Pulse Frequency:	1800Hz /1900Hz
Telim//Robofon:	1180Hz //1100Hz

Reception Formats supported:

Acron	MCDI-Take-a-look
Ademco:	Napco Point ID
- Slow/Fast;	Radionics 6500
- Contact ID;	Radionics extended
- Extended;	Sescoa Slow, Super Fast
- Express;	Sescoa Standard
- High Speed	SIA
BFSK, CFSK, VFSK	Silent Knight Slow
FBII Super Fast	Stratel
3x1	3x1 extended
4x1	3x1 extended compressed 4x2
4x1 extended	4x1 extended compressed 4x2
4x2	Zero removed 3x1, 4x1, extended.
Optex's Varitech	C&K: Bell 103A2 or CCIT (option)
Tunstall TTnew (EXSA RoHS only. Contact MCDI SP for operational details)	
For Germany and Scandinavia as pulse replacement (option): Telim/Robofon	
All EXSA are delivered with Bell 103 on both lines. Please specify for Telim, Robofon or CCIT.	

Printer Output:

Standard DB25 connector for Centronics Parallel Interface.

Event Logging when PC is absent:

EXSA stores last 1800 events (contact ID, no caller ID) when PC is down. Resumes sending when PC is back

Power Requirements:

From included power supply with roll over to 9-12V DC external battery (connector supplied only): 400mA

Station Requirements:

EXSA needs connected PC (USB or Serial) to be configured. PC with Windows 2000, XP or VISTA with Java.

Printer with Centronics parallel interface and cable with DB25 connector.

Wireless phone link for mobile use.

Configuration:

Black anodized aluminum, acrylic outer box with lower or raised stand.

1 parallel port DB25 for printer

1 serial port DB9 for connection to computer

1 USB port for secondary connection to computer

2 RJ11 phone line jacks

9 status LEDs on front panel

EXSA is assembled with EXTRIUM form factor and box. Outer cover removable for assembly in PC or server.

Monitoring Software:

EXSA interfaces with Monitoring software in MCDI SP mode, MCDI SP enhanced mode, Ademco 685 emulation mode and SurGard™ emulation mode. EXSA is compatible with most Automation software on the market such as SECURITHOR, SAMM, WINSAMM, Patriot, SIS, SIMS and Central Works. Requires windows based software for USB communication.

RoHS compliance

Made especially to meet Europe and Japan RoHS and WEEE requirements, EXSA is shipped as RoHS compliant on request with internal Exprecium 3. Made without lead free components, cadmium and PBB.

Warranty

EXSA 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.



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