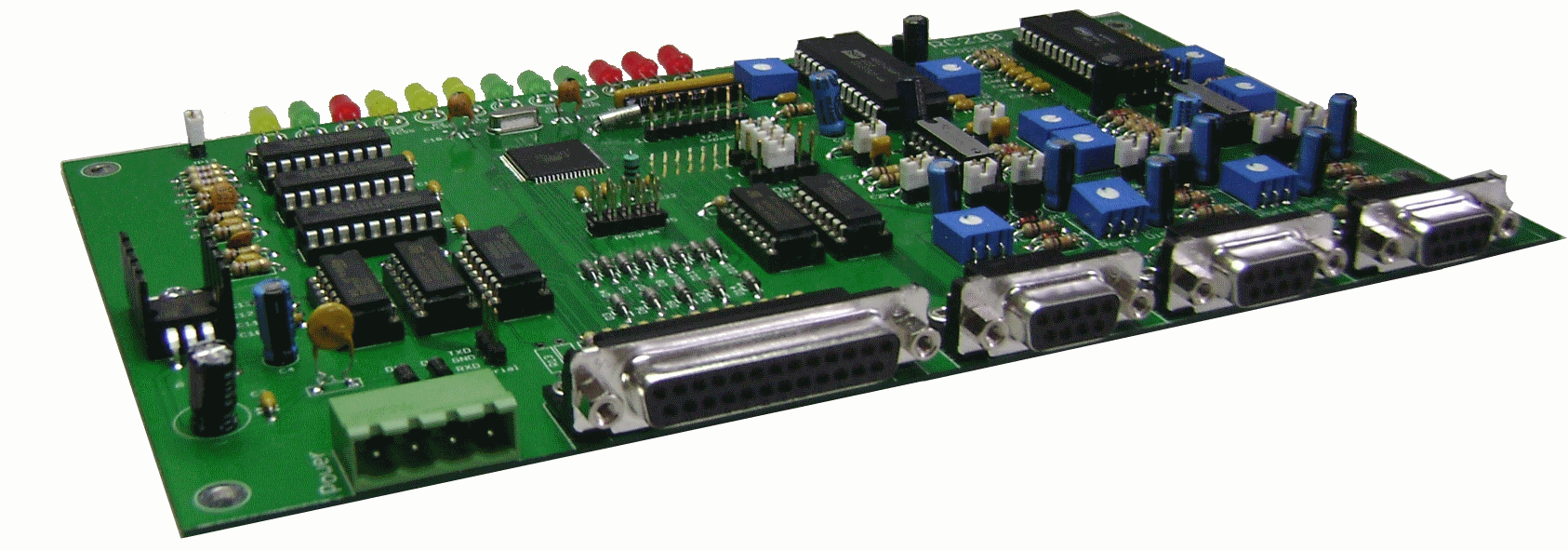
**FULL FEATURED DUAL-RADIO “INSTANT REPEATER”**

**A NOVEXCOMM EXCLUSIVE; 3U PANEL & CARD**

**READY TO GO WITH YOUR CHOICE OF RADIO TYPES**



**Check out these extensive specifications & order today!**

Ports· Three total - each port may be operated as an independent repeater port or as half/full-duplex link port  
· Gated audio on all ports with selectable de-emphasis - you may tap directly off discriminator without regard for squelch action or de-emphasis  
· Selectable polarity of COS and CTCSS signals on each port  
· Each port has its own unique, programmable hang, timeout, activity, DTMF mute and kerchunk timers  
· Selectable CTCSS/Carrier squelch modes (true "AND" operation) on each port  
· Selectable CTCSS encode control output with programmable delay dropout for controlling external CTCSS encoder on each port  
· Each port has its own dedicated DTMF decoder  
· Selectable Enable/Disable of DTMF on each port and selectable mute on 1st or 2nd digit  
· Each port may be defined to require CTCSS or not require CTCSS for DTMF operation  
· Each port has its own unique 10 courtesy tones with up to 4 segments each (dual tone per segment). Or use a DVR Track or Vocabulary word as a Courtesy Tone  
· Any port may be used for a Control Receiver

Site Addressing· Allows for multiple controller installations to have unique site addresses to maintain common code structure throughout your network.  
IDs  
· Each port has 3 unique Voice and 2 unique CW ID's.   
· Automatic rotation with Initial and Pending ID algorithm  
· Programmable Initial and Pending ID timers  
· Voice ID's may be disabled on a per port basis for CW only identification

· All IDs may be completely disabled on a per port basis

· ID timers may be selected to start on receiver or transmitter activity  
· CW IDs may be programmed with dual or single tones, as well as speed

**Linking**· Any port may be linked to any other port on command  
· Selectable Monitor Mute/Monitor Mix audio for each port when linked  
· Programmable Inactivity timer automatically unlinks ports after a programmable amount of time (may be disabled)

**Remote Bases**· Frequency agile HF/VHF/UHF remote base with support for Kenwood, Icom, Yaesu and Doug Hall RBI-1  
· Any port may be used

**DTMF Memories and Regeneration**· 20 DTMF (50 with optional RTC Module) Memories may be called to send predefined sequence to any combination of Ports  
**Speech Messages**· Repeater operation oriented vocabulary in real human speech (not synthesized). May be used in programmable ID's or other messages  
· 40 Message Macros (70 with optional RTC Module) for easy use of custom programmed phrases  
· Any combination of Vocabulary or DVR tracks may be used in any message  
· Programmable Tail Messages

**Digital Voice Recorder**· On-board DVR for recording your own custom messages (DVR tracks may be used in any programmable message)

**Command Macros**· 90 Command Macros for easy one-command functions and may also call other Command Macros for unlimited functionality   
· Programmable Pre Access Codes (may be used as Site Prefix Codes). May be disabled completely   
· Programmable Macro Subset allows for restricting access to Command Macros. May be disabled completely

 · Command Macros may be called by receiver activity (active or inactive)

**Scheduler**· Fully automated operations based on time of day and day of week or day of month

**Davis Intruments Weather Station Support**· Allows for voice recall of wind, temps and humidity including daily highs and lows

**Serial Port**· RS-232 port for use with remote base radios, controller programming and firmware updates

**Analog Meters**· 8 analog to digital channels. Each channel is fully scaleable with 6 different meter faces  
· Each channel has programmable high and low alarms  
· Inputs protected against over or negative voltages

**Logic Outputs and Inputs**· 5 digital Alarm inputs which are edge-triggered  
· 7 digital outputs may be commanded high/low/pulse. (may be expanded to 32)  
**Auxilary Audio Inputs**· 3 auxiliary audio inputs for use with a weather receiver, autopatch or other external audio source (may also be used with Alarm Inputs to emulate additional radio ports)

**Hardware**· True sine wave microprocessor generated tones  
· Use of low-noise, high-impedance JFET op amps for exceptional audio quality  
· LED displays of controller status  
· Automatic battery backup switchover   
· Hardware watchdog timer  
· Fan control with programmable shut off timer  
  
**Optional Accessories**· Audio delay module

· Battery backed-up Real Time Clock Module (in addition to the onboard one)  
· Intelligent Autopatch module  
· Windows© programming software

**Electrical Specifications**

* Microprocessor Atmel ATMega128 RISC microcomputer running at 16 Mhz
* Program Memory 128K Bytes - Flash EEPROM
* Running Memory 4K Bytes Non-Volatile Memory 4K Bytes
* Speech Method ISD 4003 series VoiceCorder© IC
* Logic Inputs: Low < .8 volts High: 5 to 15 volts
* Logic Outputs: 100v @ 500 ma open collector
* Audio Inputs: High impedance >10K
* Audio Outputs: up to 6 volts p-p
* Power Requirement: 11.5 to 15V dc @ 70 ma (LEDs off).
* Operating Temp.: -15 to +55 degrees C (5 to 150 degrees F)
* Connectors: DB-25 analog and digital I/0, Phoenix 4 pin power connector (mating plug included), choice of DB-9 female or RJ45 for radio ports

 PRICING AND AVAILABILITY:

3U Panel and tray with any combination of two radio slots: (examples: dual Maxtrac, CDM, XTL, XPR, etc.) with Repeater/ Remote Base card (option –RPT) installed for only **$449.95 delivered** in the USA.

**HAVE YOUR PAYPAL ACCOUNT READY…..**

**OPERATORS ARE STANDING BY!**

**ENTERPRISE ELECTRONICS/ NOVEXCOMM.COM**

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