



## Collect and Deliver Remote Data to Your PC ☺

Model DCDSS1

Collecting information from remote sites has never been easier. iCaddy™ is an automated remote site attendant that collects serial data from your system, stores it, then performs automatic delivery and notification using a dial-up internet connection and e-mail or ftp.

Ideal for monitoring remote processes, SCADA systems, building management systems and remote point-of-sale management, the iCaddy adds a new level of flexibility, control and automation to most any remote serial system.

Once installed, there is no need for human presence at the remote site -- download cash receipts at midnight or track distant conditions at any time. The iCaddy works with a modem to call a local ISP near your remote location. It allows for primary and secondary ISP numbers, dialing the secondary number when the primary is down or busy. Bypass mode is also provided allowing direct dial-in to the remote device to perform remote management with no interaction from the iCaddy.

User-friendly configuration software with easy-to-read screens allows you to set automatic call-ins from multiple locations. You can change iCaddy's settings at any time from your central PC. The iCaddy can be programmed with up to 10 polling strings up to 35 characters long. This allows for commands to be sent to a device plugged into the local serial port on a user-programmable schedule. The iCaddy will store and timestamp the incoming data and deliver it via a dial-up Internet connection using e-mail or ftp. The data can be delivered either at user-defined times, when the buffer reaches a trigger point, or when a digital input signal is received.

The iCaddy can be used to provide notification as well as data delivery. Multiple e-mail addresses, including e-mail enabled cell phones, pagers and PDA's are supported allowing notification of errors or events at a remote site.



### **New! Updated Feature! (May 2002)**

#### **Remote buffer retrieval**

Now, iCaddy accepts commands on the fly to retrieve data as well as error buffers. Simple three character command bytes are all that it takes to retrieve the buffers manually. Using a modem and a simple serial emulation terminal, the user first dials into the iCaddy through the remote modem line. Then the user simply negotiates with the iCaddy by providing the remote setup password. Once the security check is done, commands are sent to retrieve data or error log, then simply terminate the session when finished.

#### **Local buffer retrieval**

If the user is on site, simple steps can be utilized to retrieve the data or error buffers. Simply set the DCD line on the modem port High, provide the password, and send the simple commands to retrieve data, error log, or to terminate the session.

### **Notes on compatibility (May 2002)**

The internet chip, Seiko S7600A, used in iCaddy ONLY supports PAP standard (Password Authentication Protocol). This means that it does not support the CHAP standard (Challenge Handshake Authentication Protocol). Please check with your local ISP for further details.

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## Specifications

### Serial Ports

Modem Port:	RS-232, DTE, DB9 male connector
Data rates:	600 – 115,200 kbps
Data Bits:	8
Stop Bit:	1
Parity:	none
ISP:	User configurable for primary and secondary (fallback) ISP accounts Supports standard modems and AT command set
Local Port:	RS-232, DTE, DB9 male connector
Data Rates:	300 - 115.2 kbps
Data Bits:	5, 6, 7, or 8
Stop Bit:	1, 1.5, or 2
Parity:	none, even, or odd
Serial Data Buffer Size:	60 Kbytes

### Triggers for Data Delivery

Time Based Trigger:	Configurable from once per minute to once per month
Buffer Trigger:	Configurable 10 - 80% of buffer capacity
Digital Input:	Active high or low, 0 – 5V Input, 5 ms min. pulse width Removable terminal block connection
Data/Fault Notification:	E-mail or pager
Data Delivery:	FTP or e-mail attachment (MIME)
Timestamp:	User enabled, new data is time-stamped after 1 minute of idle
Number of Polling Strings:	10 user definable, each with independent transmit schedule
Max. Polling Strings Length:	35 bytes per string
E-mail Addresses Supported:	10
Pager Supported:	1
FTP Addresses Supported:	2
Mounting:	Desktop or panel mount using provided holes in case flange
Power Requirements:	10-30 VDC, 650 mW maximum Removable terminal block connection
Indicators:	3 LED's for power/status, modem, and local serial port activity
Size:	6.5 x 4.9 x 1.5 in (16.5 x 11.2 x 3.5 cm)
Shipping Weight:	0.9 pounds (0.4 kg)
Software (included):	CD for Microsoft Windows 95/98/ME/2000/XP/NT 4.0

#### DECLARATION OF CONFORMITY

Manufacturer's Name:	B&B Electronics Manufacturing Company
Manufacturer's Address:	P.O. Box 1040 707 Dayton Road Ottawa, IL 61350 USA
Model Numbers:	DCDSS1
Description:	Remote Data Collection Device
Type:	Light industrial ITE equipment
Application of Council Directive:	89/336/EEC
Standards:	EN 50082-1:1998 EN 61000 (-4-2, -4-3, -4-4, -4-6)



William H. Franklin III, Director of Engineering



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