

USB HID usage table

This usage table lets usbhidctl decode the HID data correctly for the APC RS/XS1000's.

This work was obtained from riccardo@torrini.org.

Sample output is available both [with](#) and [without](#) the table.

Note that the default /usr/share/misc/usb_hid_usages already contains entries for these a Power Device (132 or 0x84) and a Battery System (133 or 0x85). It is interesting that usbhidctl shows the APC as using 0xff84 and 0xff84 for their values. The HID Power Devices specification indicates 0x84 and 0x85. There is at least one macro in /usr/include/dev/usb/usbhid.h which removes the high order bits. Perhaps we need to do that when using the values. Perhaps this macro:

```
#define HID_USAGE2(p,u) (((p) << 16) | u)
```

The file is available without HTML formatting [here](#).

```
# $NetBSD: usb_hid_usages,v 1.3 1999/07/02 15:46:53 simonb Exp $
# $FreeBSD: src/share/misc/usb_hid_usages,v 1.1.2.1 2000/07/02 13:13:55 n_hibma Exp $
#
# USB HID usage table
# Syntax:
# - lines that do not start with a white space give the number and name of
#   a usage page.
# - lines that start with a white space give the number and name of
#   a usage with the last given page.
# If the number is * then the line matches all usages and the name
# is a printf formatting string that will be given the usage number.
#
1      Generic Desktop
      0x00      Undefined
      0x01      Pointer
      0x02      Mouse
      0x03      Reserved
      0x04      Joystick
      0x05      Game Pad
      0x06      Keyboard
      0x07      Keypad
      0x08      Multi-axis Controller
      0x30      X
      0x31      Y
      0x32      Z
      0x33      Rx
      0x34      Ry
      0x35      Rz
      0x36      Slider
      0x37      Dial
      0x38      Wheel
      0x39      Hat Switch
      0x3A      Counted Buffer
      0x3B      Byte Count
      0x3C      Motion Wakeup
      0x40      Vx
      0x41      Vy
      0x42      Vz
      0x43      Vbrx
      0x44      Vbry
      0x45      Vbrx
      0x46      Vno
```

0x80	System Control
0x81	System Power Down
0x82	System Sleep
0x83	System Wake Up
0x84	System Context Menu
0x85	System Main Menu
0x86	System App Menu
0x87	System Menu Help
0x88	System Menu Exit
0x89	System Menu Select
0x8A	System Menu Right
0x8B	System Menu Left
0x8C	System Menu Up
0x8D	System Menu Down
0x90	D-pad Up
0x91	D-pad Down
0x92	D-pad Right
0x93	D-pad Left

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Simulation Controls

0x00	Undefined
0x01	Flight Simulation Device
0x02	Automobile Simulation Device
0x03	Tank Simulation Device
0x04	Spaceship Simulation Device
0x05	Submarine Simulation Device
0x06	Sailing Simulation Device
0x07	Motorcycle Simulation Device
0x08	Sports Simulation Device
0x09	Airplane Simulation Device
0x0A	Helicopter Simulation Device
0x0B	Magic Carpet Simulation Device
0x0C	Bicycle
0x20	Flight Control Stick
0x21	Flight Stick
0x22	Cyclic Control
0x23	Cyclic Trim
0x24	Flight Yoke
0x25	Track Control
0x26	Driving Control
0xB0	Aileron
0xB1	Aileron Trim
0xB2	Anti-Torque Control
0xB3	Auto-pilot Enable
0xB4	Chaff Release
0xB5	Collective Control
0xB6	Dive Brake
0xB7	Electronic Counter Measures
0xB8	Elevator
0xB9	Elevator Trim
0xBA	Rudder
0xBB	Throttle
0xBC	Flight Communication
0xBD	Flare Release
0xBE	Landing Gear
0xBF	Toe Brake
0xC0	Trigger
0xC1	Weapons Arm
0xC2	Weapons Select
0xC3	Wing Flaps
0xC4	Accelerator
0xC5	Brake
0xC6	Clutch
0xC7	Shifter
0xC8	Steering

0xC9	Turret Direction
0xCA	Barrel Elevation
0xCB	Dive Plane
0xCC	Ballast
0xCD	Bicycle Crank
0xCE	Handle Bars
0xCF	Front Brake
0xD0	Rear Brake

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VR Controls

0x00	Unidentified
0x01	Belt
0x02	Body Suit
0x03	Flexor
0x04	Glove
0x05	Head Tracker
0x06	Head Mounted Display
0x07	Hand Tracker
0x08	Oculometer
0x09	Vest
0x0A	Animatronic Device
0x20	Stereo Enable
0x21	Display Enable

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Sports Controls

0x00	Unidentified
0x01	Baseball Bat
0x02	Golf Club
0x03	Rowing Machine
0x04	Treadmill
0x30	Oar
0x31	Slope
0x32	Rate
0x33	Stick Speed
0x34	Stick Face Angle
0x35	Stick Heel/Toe
0x36	Stick Follow Through
0x37	Stick Tempo
0x38	Stick Type
0x39	Stick Height
0x50	Putter
0x51	1 Iron
0x52	2 Iron
0x53	3 Iron
0x54	4 Iron
0x55	5 Iron
0x56	6 Iron
0x57	7 Iron
0x58	8 Iron
0x59	9 Iron
0x5A	10 Iron
0x5B	11 Iron
0x5C	Sand Wedge
0x5D	Loft Wedge
0x5E	Power Wedge
0x5F	1 Wood
0x60	3 Wood
0x61	5 Wood
0x62	7 Wood
0x63	9 Wood

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Game Controls

0x00	Undefined
0x01	3D Game Controller
0x02	Pinball Device

0x03	Gun Device
0x20	Point of View
0x21	Turn Right/Left
0x22	Pitch Right/Left
0x23	Roll Forward/Backward
0x24	Move Right/Left
0x25	Move Forward/Backward
0x26	Move Up/Down
0x27	Lean Right/Left
0x28	Lean Forward/Backward
0x29	Height of POV
0x2A	Flipper
0x2B	Secondary Flipper
0x2C	Bump
0x2D	New Game
0x2E	Shoot Ball
0x2F	Player
0x30	Gun Bolt
0x31	Gun Clip
0x32	Gun Selector
0x33	Gun Single Shot
0x34	Gun Burst
0x35	Gun Automatic
0x36	Gun Safety
0x37	Gamepad Fire/Jump
0x39	Gamepad Trigger

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Keyboard

0x00	Reserved (no event indicated)
0x01	Keyboard ErrorRollOver
0x02	Keyboard POSTFail
0x03	Keyboard ErrorUndefined
0x04	Keyboard a and A
0x05	Keyboard b and B
0x06	Keyboard c and C
0x07	Keyboard d and D
0x08	Keyboard e and E
0x09	Keyboard f and F
0x0A	Keyboard g and G
0x0B	Keyboard h and H
0x0C	Keyboard i and I
0x0D	Keyboard j and J
0x0E	Keyboard k and K
0x0F	Keyboard l and L
0x10	Keyboard m and M
0x11	Keyboard n and N
0x12	Keyboard o and O
0x13	Keyboard p and P
0x14	Keyboard q and Q
0x15	Keyboard r and R
0x16	Keyboard s and S
0x17	Keyboard t and T
0x18	Keyboard u and U
0x19	Keyboard v and V
0x1A	Keyboard w and W
0x1B	Keyboard x and X
0x1C	Keyboard y and Y
0x1D	Keyboard z and Z
0x1E	Keyboard 1 and !
0x1F	Keyboard 2 and @
0x20	Keyboard 3 and #
0x21	Keyboard 4 and \$
0x22	Keyboard 5 and %
0x23	Keyboard 6 and ^
0x24	Keyboard 7 and &

0x25	Keyboard 8 and *
0x26	Keyboard 9 and (
0x27	Keyboard 0 and)
0x28	Keyboard Return (ENTER)
0x29	Keyboard ESCAPE
0x2A	Keyboard DELETE (Backspace)
0x2B	Keyboard Tab
0x2C	Keyboard Spacebar
0x2D	Keyboard - and (underscore)
0x2E	Keyboard = and +
0x2F	Keyboard [and {
0x30	Keyboard] and }
0x31	Keyboard \ and
0x32	Keyboard Non-US # and ~
0x33	Keyboard ; and :
0x34	Keyboard ' and "
0x35	Keyboard Grave Accent and Tilde
0x36	Keyboard , and <
0x37	Keyboard . and >
0x38	Keyboard / and ?
0x39	Keyboard Caps Lock
0x3A	Keyboard F1
0x3B	Keyboard F2
0x3C	Keyboard F3
0x3D	Keyboard F4
0x3E	Keyboard F5
0x3F	Keyboard F6
0x40	Keyboard F7
0x41	Keyboard F8
0x42	Keyboard F9
0x43	Keyboard F10
0x44	Keyboard F11
0x45	Keyboard F12
0x46	Keyboard PrintScreen
0x47	Keyboard Scroll Lock
0x48	Keyboard Pause
0x49	Keyboard Insert
0x4A	Keyboard Home
0x4B	Keyboard PageUp
0x4C	Keyboard Delete Forward
0x4D	Keyboard End
0x4E	Keyboard PageDown
0x4F	Keyboard RightArrow
0x50	Keyboard LeftArrow
0x51	Keyboard DownArrow
0x52	Keyboard UpArrow
0x53	Keypad Num Lock and Clear
0x54	Keypad /
0x55	Keypad *
0x56	Keypad -
0x57	Keypad +
0x58	Keypad ENTER
0x59	Keypad 1 and End
0x5A	Keypad 2 and Down Arrow
0x5B	Keypad 3 and PageDn
0x5C	Keypad 4 and Left Arrow
0x5D	Keypad 5
0x5E	Keypad 6 and Right Arrow
0x5F	Keypad 7 and Home
0x60	Keypad 8 and Up Arrow
0x61	Keypad 9 and PageUp
0x62	Keypad 0 and Insert
0x63	Keypad . and Delete
0x64	Keyboard Non-US \ and
0x65	Keyboard Application

0x66	Keyboard Power
0x67	Keypad =
0x68	Keyboard F13
0x69	Keyboard F14
0x6A	Keyboard F15
0x6B	Keyboard F16
0x6C	Keyboard F17
0x6D	Keyboard F18
0x6E	Keyboard F19
0x6F	Keyboard F20
0x70	Keyboard F21
0x71	Keyboard F22
0x72	Keyboard F23
0x73	Keyboard F24
0x74	Keyboard Execute
0x75	Keyboard Help
0x76	Keyboard Menu
0x77	Keyboard Select
0x78	Keyboard Stop
0x79	Keyboard Again
0x7A	Keyboard Undo
0x7B	Keyboard Cut
0x7C	Keyboard Copy
0x7D	Keyboard Paste
0x7E	Keyboard Find
0x7F	Keyboard Mute
0x80	Keyboard Volume Up
0x81	Keyboard Volume Down
0x82	Keyboard Locking Caps Lock
0x83	Keyboard Locking Num Lock
0x84	Keyboard Locking Scroll Lock
0x85	Keypad Comma
0x86	Keypad Equal Sign
0x87	Keyboard International1
0x88	Keyboard International2
0x89	Keyboard International3
0x8A	Keyboard International4
0x8B	Keyboard International5
0x8C	Keyboard International6
0x8D	Keyboard International7
0x8E	Keyboard International8
0x8F	Keyboard International9
0x90	Keyboard LANG1
0x91	Keyboard LANG2
0x92	Keyboard LANG3
0x93	Keyboard LANG4
0x94	Keyboard LANG5
0x95	Keyboard LANG6
0x96	Keyboard LANG7
0x97	Keyboard LANG8
0x98	Keyboard LANG9
0x99	Keyboard Alternate Erase
0x9A	Keyboard SysReq/Attention
0x9B	Keyboard Cancel
0x9C	Keyboard Clear
0x9D	Keyboard Prior
0x9E	Keyboard Return
0x9F	Keyboard Separator
0xA0	Keyboard Out
0xA1	Keyboard Oper
0xA2	Keyboard Clear/Again
0xA3	Keyboard CrSel/Props
0xA4	Keyboard ExSel
0xE0	Keyboard LeftControl
0xE1	Keyboard LeftShift

0xE2	Keyboard LeftAlt
0xE3	Keyboard Left GUI
0xE4	Keyboard RightControl
0xE5	Keyboard RightShift
0xE6	Keyboard RightAlt
0xE7	Keyboard Right GUI

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LEDs	
0x00	Undefined
0x01	Num Lock
0x02	Caps Lock
0x03	Scroll Lock
0x04	Compose
0x05	Kana
0x06	Power
0x07	Shift
0x08	Do Not Disturb
0x09	Mute
0x0A	Tone Enable
0x0B	High Cut Filter
0x0C	Low Cut Filter
0x0D	Equalizer Enable
0x0E	Sound Field On
0x0F	Surround Field On
0x10	Repeat
0x11	Stereo
0x12	Sampling Rate Detect
0x13	Spinning
0x14	CAV
0x15	CLV
0x16	Recording Format Detect
0x17	Off-Hook
0x18	Ring
0x19	Message Waiting
0x1A	Data Mode
0x1B	Battery Operation
0x1C	Battery OK
0x1D	Battery Low
0x1E	Speaker
0x1F	Head Set
0x20	Hold
0x21	Microphone
0x22	Coverage
0x23	Night Mode
0x24	Send Calls
0x25	Call Pickup
0x26	Conference
0x27	Stand-by
0x28	Camera On
0x29	Camera Off
0x2A	On-Line
0x2B	Off-Line
0x2C	Busy
0x2D	Ready
0x2E	Paper-Out
0x2F	Paper-Jam
0x30	Remote
0x31	Forward
0x32	Reverse
0x33	Stop
0x34	Rewind
0x35	Fast Forward
0x36	Play
0x37	Pause
0x38	Record

0x39	Error
0x3A	Usage Selected Indicator
0x3B	Usage In Use Indicator
0x3C	Usage Multi Mode Indicator
0x3D	Indicator On
0x3E	Indicator Flash
0x3F	Indicator Slow Blink
0x40	Indicator Fast Blink
0x41	Indicator Off
0x42	Flash On Time
0x43	Slow Blink On Time
0x44	Slow Blink Off Time
0x45	Fast Blink On Time
0x46	Fast Blink Off Time
0x47	Usage Indicator Color
0x48	Red
0x49	Green
0x4A	Amber
0x4B	Generic Indicator
0x4C	System Suspend
0x4D	External Power Connected
0x4C-FFFF	Reserved

9 Button
 0x00 No Button Pressed
 * Button %d

10 Ordinal
 0x00 Unused
 * Instance %d

11 Telephony
 0x00 Unassigned
 0x01 Phone
 0x02 Answering Machine
 0x03 Message Controls
 0x04 Handset
 0x05 Headset
 0x06 Telephony Key Pad
 0x07 Programmable Button
 0x20 Hook Switch
 0x21 Flash
 0x22 Feature
 0x23 Hold
 0x24 Redial
 0x25 Transfer
 0x26 Drop
 0x27 Park
 0x28 Forward Calls
 0x29 Alternate Function
 0x2A Line
 0x2B Speaker Phone
 0x2C Conference
 0x2D Ring Enable
 0x2E Ring Select
 0x2F Phone Mute
 0x30 Caller ID
 0x50 Speed Dial
 0x51 Store Number
 0x52 Recall Number
 0x53 Phone Directory
 0x70 Voice Mail
 0x71 Screen Calls
 0x72 Do Not Disturb
 0x73 Message

0x74	Answer On/Off
0x90	Inside Dial Tone
0x91	Outside Dial Tone
0x92	Inside Ring Tone
0x93	Outside Ring Tone
0x94	Priority Ring Tone
0x95	Inside Ringback
0x96	Priority Ringback
0x97	Line Busy Tone
0x98	Reorder Tone
0x99	Call Waiting Tone
0x9A	Confirmation Tone 1
0x9B	Confirmation Tone 2
0x9C	Tones Off
0xB0	Phone Key 0
0xB1	Phone Key 1
0xB2	Phone Key 2
0xB3	Phone Key 3
0xB4	Phone Key 4
0xB5	Phone Key 5
0xB6	Phone Key 6
0xB7	Phone Key 7
0xB8	Phone Key 8
0xB9	Phone Key 9
0xBA	Phone Key Star
0xBB	Phone Key Pound
0xBC	Phone Key A
0xBD	Phone Key B
0xBE	Phone Key C
0xBF	Phone Key D

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Consumer

0x00	Unassigned
0x01	Consumer Control
0x02	Numeric Key Pad
0x03	Programmable Buttons
0x20	+10
0x21	+100
0x22	AM/PM
0x30	Power
0x31	Reset
0x32	Sleep
0x33	Sleep After
0x34	Sleep Mode
0x35	Illumination
0x36	Function Buttons
0x40	Menu
0x41	Menu Pick
0x42	Menu Up
0x43	Menu Down
0x44	Menu Left
0x45	Menu Right
0x46	Menu Escape
0x47	Menu Value Increase
0x48	Menu Value Decrease
0x60	Data On Screen
0x61	Closed Caption
0x62	Closed Caption Select
0x63	VCR/TV
0x64	Broadcast Mode
0x65	Snapshot
0x66	Still
0x80	Selection
0x81	Assign Selection
0x82	Mode Step

0x83	Recall Last
0x84	Enter Channel
0x85	Order Movie
0x86	Channel
0x87	Media Selection
0x88	Media Select Computer
0x89	Media Select TV
0x8A	Media Select WWW
0x8B	Media Select DVD
0x8C	Media Select Telephone
0x8D	Media Select Program Guide
0x8E	Media Select Video Phone
0x8F	Media Select Games
0x90	Media Select Messages
0x91	Media Select CD
0x92	Media Select VCR
0x93	Media Select Tuner
0x94	Quit
0x95	Help
0x96	Media Select Tape
0x97	Media Select Cable
0x98	Media Select Satellite
0x99	Media Select Security
0x9A	Media Select Home
0x9B	Media Select Call
0x9C	Channel Increment
0x9D	Channel Decrement
0x9E	Media Select SAP
0xA0	VCR Plus
0xA1	Once
0xA2	Daily
0xA3	Weekly
0xA4	Monthly
0xB0	Play
0xB1	Pause
0xB2	Record
0xB3	Fast Forward
0xB4	Rewind
0xB5	Scan Next Track
0xB6	Scan Previous Track
0xB7	Stop
0xB8	Eject
0xB9	Random Play
0xBA	Select Disc
0xBB	Enter Disc
0xBC	Repeat
0xBD	Tracking
0xBE	Track Normal
0xBF	Slow Tracking
0xC0	Frame Forward
0xC1	Frame Back
0xC2	Mark
0xC3	Clear Mark
0xC4	Repeat From Mark
0xC5	Return To Mark
0xC6	Search Mark Forward
0xC7	Search Mark Backwards
0xC8	Counter Reset
0xC9	Show Counter
0xCA	Tracking Increment
0xCB	Tracking Decrement
0xE0	Volume
0xE1	Balance
0xE2	Mute
0xE3	Bass

0xE4	Treble
0xE5	Bass Boost
0xE6	Surround Mode
0xE7	Loudness
0xE8	MPX
0xE9	Volume Up
0xEA	Volume Down
0xF0	Speed Select
0xF1	Playback Speed
0xF2	Standard Play
0xF3	Long Play
0xF4	Extended Play
0xF5	Slow
0x100	Fan Enable
0x101	Fan Speed
0x102	Light
0x103	Light Illumination Level
0x104	Climate Control Enable
0x105	Room Temperature
0x106	Security Enable
0x107	Fire Alarm
0x108	Police Alarm
0x150	Balance Right
0x151	Balance Left
0x152	Bass Increment
0x153	Bass Decrement
0x154	Treble Increment
0x155	Treble Decrement
0x160	Speaker System
0x161	Channel Left
0x162	Channel Right
0x163	Channel Center
0x164	Channel Front
0x165	Channel Center Front
0x166	Channel Side
0x167	Channel Surround
0x168	Channel Low Frequency Enhancement
0x169	Channel Top
0x16A	Channel Unknown
0x170	Sub-channel
0x171	Sub-channel Increment
0x172	Sub-channel Decrement
0x173	Alternate Audio Increment
0x174	Alternate Audio Decrement
0x180	Application Launch Buttons
0x181	AL Launch Button Configuration Tool
0x182	AL Programmable Button Configuration
0x183	AL Consumer Control Configuration
0x184	AL Word Processor
0x185	AL Text Editor
0x186	AL Spreadsheet
0x187	AL Graphics Editor
0x188	AL Presentation App
0x189	AL Database App
0x18A	AL Email Reader
0x18B	AL Newsreader
0x18C	AL Voicemail
0x18D	AL Contacts/Address Book
0x18E	AL Calendar/Schedule
0x18F	AL Task/Project Manager
0x190	AL Log/Journal/Timecard
0x191	AL Checkbook/Finance
0x192	AL Calculator
0x193	AL A/V Capture/Playback
0x194	AL Local Machine Browser

0x195	AL LAN/WAN Browser
0x196	AL Internet Browser
0x197	AL Remote Networking/ISP Connect
0x198	AL Network Conference
0x199	AL Network Chat
0x19A	AL Telephony/Dialer
0x19B	AL Logon
0x19C	AL Logoff
0x19D	AL Logon/Logoff
0x19E	AL Terminal Lock/Screensaver
0x19F	AL Control Panel
0x1A0	AL Command Line Processor/Run
0x1A1	AL Process/Task Manager
0x1A2	AL Select Task/Application
0x1A3	AL Next Task/Application
0x1A4	AL Previous Task/Application
0x1A5	AL Preemptive Halt Task/Application
0x200	Generic GUI Application Controls
0x201	AC New
0x202	AC Open
0x203	AC Close
0x204	AC Exit
0x205	AC Maximize
0x206	AC Minimize
0x207	AC Save
0x208	AC Print
0x209	AC Properties
0x21A	AC Undo
0x21B	AC Copy
0x21C	AC Cut
0x21D	AC Paste
0x21E	AC Select All
0x21F	AC Find
0x220	AC Find and Replace
0x221	AC Search
0x222	AC Go To
0x223	AC Home
0x224	AC Back
0x225	AC Forward
0x226	AC Stop
0x227	AC Refresh
0x228	AC Previous Link
0x229	AC Next Link
0x22A	AC Bookmarks
0x22B	AC History
0x22C	AC Subscriptions
0x22D	AC Zoom In
0x22E	AC Zoom Out
0x22F	AC Zoom
0x230	AC Full Screen View
0x231	AC Normal View
0x232	AC View Toggle
0x233	AC Scroll Up
0x234	AC Scroll Down
0x235	AC Scroll
0x236	AC Pan Left
0x237	AC Pan Right
0x238	AC Pan
0x239	AC New Window
0x23A	AC Tile Horizontally
0x23B	AC Tile Vertically
0x23C	AC Format

13 Digitizer
0x00 Undefined

0x01	Digitizer
0x02	Pen
0x03	Light Pen
0x04	Touch Screen
0x05	Touch Pad
0x06	White Board
0x07	Coordinate Measuring Machine
0x08	3-D Digitizer
0x09	Stereo Plotter
0x0A	Articulated Arm
0x0B	Armature
0x0C	Multiple Point Digitizer
0x0D	Free Space Wand
0x20	Stylus
0x21	Puck
0x22	Finger
0x30	Tip Pressure
0x31	Barrel Pressure
0x32	In Range
0x33	Touch
0x34	Untouch
0x35	Tap
0x36	Quality
0x37	Data Valid
0x38	Transducer Index
0x39	Tablet Function Keys
0x3A	Program Change Keys
0x3B	Battery Strength
0x3C	Invert
0x3D	X Tilt
0x3E	Y Tilt
0x3F	Azimuth
0x40	Altitude
0x41	Twist
0x42	Tip Switch
0x43	Secondary Tip Switch
0x44	Barrel Switch
0x45	Eraser
0x46	Tablet Pick

15 Physical Interface Device

16 Unicode
* Unicode Char u%04x

20 Alphanumeric Display

0x00	Undefined
0x01	Alphanumeric Display
0x20	Display Attributes Report
0x21	ASCII Character Set
0x22	Data Read Back
0x23	Font Read Back
0x24	Display Control Report
0x25	Clear Display
0x26	Display Enable
0x27	Screen Saver Delay
0x28	Screen Saver Enable
0x29	Vertical Scroll
0x2A	Horizontal Scroll
0x2B	Character Report
0x2C	Display Data
0x2D	Display Status
0x2E	Stat Not Ready
0x2F	Stat Ready
0x30	Err Not a loadable character

0x31 Err Font data cannot be read
 0x32 Cursor Position Report
 0x33 Row
 0x34 Column
 0x35 Rows
 0x36 Columns
 0x37 Cursor Pixel Positioning
 0x38 Cursor Mode
 0x39 Cursor Enable
 0x3A Cursor Blink
 0x3B Font Report
 0x3C Font Data
 0x3D Character Width
 0x3E Character Height
 0x3F Character Spacing Horizontal
 0x40 Character Spacing Vertical
 0x41 Unicode Character Set

128 Monitor

0x00 Undefined
 0x01 Monitor Control
 0x02 EDID Information
 0x03 VDI Information
 0x04 VESA Version
 0x05 On Screen Display
 0x06 Auto Size Center
 0x07 Polarity Horz Synch
 0x08 Polarity Vert Synch
 0x09 Sync Type
 0x0A Screen Position
 0x0B Horizontal Frequency
 0x0C Vertical Frequency

129 Monitor Enumerated Values

0x00 unassigned
 * ENUM %d

130 VESA Virtual Controls

0x10 Brightness
 0x12 Contrast
 0x16 Video Gain Red
 0x18 Video Gain Green
 0x1A Video Gain Blue
 0x1C Focus
 0x20 Horizontal Position
 0x22 Horizontal Size
 0x24 Horizontal Pincushion
 0x26 Horizontal Pincushion Balance
 0x28 Horizontal Misconvergence
 0x2A Horizontal Linearity
 0x2C Horizontal Linearity Balance
 0x30 Vertical Position
 0x32 Vertical Size
 0x34 Vertical Pincushion
 0x36 Vertical Pincushion Balance
 0x38 Vertical Misconvergence
 0x3A Vertical Linearity
 0x3C Vertical Linearity Balance
 0x40 Parallelogram Distortion
 0x42 Trapezoidal Distortion
 0x44 Tilt
 0x46 Top Corner Distortion Control
 0x48 Top Corner Distortion Balance
 0x4A Bottom Corner Distortion Control
 0x4C Bottom Corner Distortion Balance

0x56	Moir Horizontal
0x58	Moir Vertical
0x5E	Input Level Select
0x60	Input Source Select
0x62	Stereo Mode
0x6C	Video Black Level Red
0x6E	Video Black Level Green
0x70	Video Black Level Blue

131	VESA Command
0x00	Undefined
0x01	Settings
0x02	Degauss

132	Power Device
0x00	Undefined
0x01	iName
0x02	PresentStatus
0x03	ChangedStatus
0x04	UPS
0x05	PowerSupply
0x10	BatterySystem
0x11	BatterySystemID
0x12	Battery
0x13	BatteryID
0x14	Charger
0x15	ChargerID
0x16	PowerConverter
0x17	PowerConverterID
0x18	OutletSystem
0x19	OutletSystemID
0x1A	Input
0x1B	InputID
0x1C	Output
0x1D	OutputID
0x1E	Flow
0x1F	FlowID
0x20	Outlet
0x21	OutletID
0x22	Gang
0x23	GangID
0x24	Sink
0x25	SinkID
0x30	Voltage
0x31	Current
0x32	Frequency
0x33	ApparentPower
0x34	ActivePower
0x35	PercentLoad
0x36	Temperature
0x37	Humidity
0x40	ConfigVoltage
0x41	ConfigCurrent
0x42	ConfigFrequency
0x43	ConfigApparentPower
0x44	ConfigActivePower
0x45	ConfigPercentLoad
0x46	ConfigTemperature
0x47	ConfigHumidity
0x50	SwitchOnControl
0x51	SwitchOffControl
0x52	ToggleControl
0x53	LowVoltageTransfer
0x54	HighVoltageTransfer
0x55	DelayBeforeReboot

0x56	DelayBeforeStartup
0x57	DelayBeforeShutdown
0x58	Test
0x59	Vendorspecificcommand
0x60	Present
0x61	Good
0x62	InternalFailure
0x63	VoltageOutOfRange
0x64	FrequencyOutOfRange
0x65	Overload
0x66	OverCharged
0x67	OverTemperature
0x68	ShutdownRequested
0x69	ShutdownImminent
0x6A	VendorSpecificAnswerValid
0x6B	SwitchOn/Off
0x6C	Switchable
0x6D	Used
0x6E	Boost
0x6F	Buck
0x70	Initialized
0x71	Tested

133	Battery System
0x00	Undefined
0x01	SMBBatteryMode
0x02	SMBBatteryStatus
0x03	SMBAlarmWarning
0x04	SMBChargerMode
0x05	SMBChargerStatus
0x06	SMBChargerSpecInfo
0x07	SMBSelectorState
0x08	SMBSelectorPreset
0x09	SMBSelectorInfo
0x10	OptionalMfgFunction1
0x11	OptionalMfgFunction2
0x12	OptionalMfgFunction3
0x13	OptionalMfgFunction4
0x14	OptionalMfgFunction5
0x15	ConnectionToSMBus
0x16	OutputConnection
0x17	ChargerConnection
0x18	BatteryInsertion
0x19	Usenext
0x1A	OKToUse
0x28	ManufacturerAccess
0x29	RemainingCapacityLimit
0x2A	RemainingTimeLimit
0x2B	AtRate
0x2C	CapacityMode
0x2D	BroadcastToCharger
0x2E	PrimaryBattery
0x2F	ChargeController
0x40	TerminateCharge
0x41	TerminateDischarge
0x42	BelowRemainingCapacityLimit
0x43	RemainingTimeLimitExpired
0x44	Charging
0x45	Discharging
0x46	FullyCharged
0x47	FullyDischarged
0x48	ConditioningFlag
0x49	AtRateOK
0x4A	SMBErrorCode
0x4B	NeedReplacement

0x60	AtRateTimeToFull
0x61	AtRateTimeToEmpty
0x62	AverageCurrent
0x63	Maxerror
0x64	RelativeStateOfCharge
0x65	AbsoluteStateOfCharge
0x66	RemainingCapacity
0x67	FullChargeCapacity
0x68	RunTimeToEmpty
0x69	AverageTimeToEmpty
0x6A	AverageTimeToFull
0x6B	CycleCount
0x80	BattPackModelLevel
0x81	InternalChargeController
0x82	PrimaryBatterySupport
0x83	DesignCapacity
0x84	SpecificationInfo
0x85	ManufacturerDate
0x86	SerialNumber
0x87	iManufacturerName
0x88	iDevicename
0x89	iDeviceChemistry
0x8A	iManufacturerData
0x8B	Rechargeable
0x8C	WarningCapacityLimit
0x8D	CapacityGranularity1
0x8E	CapacityGranularity2
0xC0	InhibitCharge
0xC1	EnablePolling
0xC2	ResetToZero
0xD0	ACPresent
0xD1	BatteryPresent
0xD2	PowerFail
0xD3	AlarmInhibited
0xD4	ThermistorUnderRange
0xD5	ThermistorHot
0xD6	ThermistorCold
0xD7	ThermistorOverRange
0xD8	VoltageOutOfRange
0xD9	CurrentOutOfRange
0xDA	CurrentNotRegulated
0xDB	VoltageNotRegulated
0xDC	MasterMode
0xDD	ChargerBattery/HostControlled
0xF0	ChargerSpecInfo
0xF1	ChargerSpecRef
0xF2	Level2
0xF3	Level3

140 Bar Code Scanner

141 Scale Device

144 Camera Control

145 Arcade Device

Some Microsoft non-standard extensions

0xff00	Microsoft
0xe9	Base Up
0xea	Base Down

APC non-standard page? (1.6.2003) Riccardo "VIC" Torrini

0xff84	__APC_Power Device
0x00	Undefined

0x01	iName
0x02	PresentStatus
0x03	ChangedStatus
0x04	UPS
0x05	PowerSupply
0x10	BatterySystem
0x11	BatterySystemID
0x12	Battery
0x13	BatteryID
0x14	Charger
0x15	ChargerID
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0x17	PowerConverterID
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0x25	SinkID
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0x31	Current
0x32	Frequency
0x33	ApparentPower
0x34	ActivePower
0x35	PercentLoad
0x36	Temperature
0x37	Humidity
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0x41	ConfigCurrent
0x42	ConfigFrequency
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0x44	ConfigActivePower
0x45	ConfigPercentLoad
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0x50	SwitchOnControl
0x51	SwitchOffControl
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0x53	LowVoltageTransfer
0x54	HighVoltageTransfer
0x55	DelayBeforeReboot
0x56	DelayBeforeStartup
0x57	DelayBeforeShutdown
0x58	Test
0x59	Vendorspecificcommand
0x60	Present
0x61	Good
0x62	InternalFailure
0x63	VoltageOutOfRange
0x64	FrequencyOutOfRange
0x65	Overload
0x66	OverCharged
0x67	OverTemperature
0x68	ShutdownRequested
0x69	ShutdownImminent
0x6A	VendorSpecificAnswerValid
0x6B	SwitchOn/Off

0x6C	Switchble
0x6D	Used
0x6E	Boost
0x6F	Buck
0x70	Initialized
0x71	Tested

0xff85 __APC_Battery System

0x00	Undefined
0x01	SMBBatteryMode
0x02	SMBBatteryStatus
0x03	SMBAlarmWarning
0x04	SMBChargerMode
0x05	SMBChargerStatus
0x06	SMBChargerSpecInfo
0x07	SMBSelectorState
0x08	SMBSelectorPreset
0x09	SMBSelectorInfo
0x10	OptionalMfgFunction1
0x11	OptionalMfgFunction2
0x12	OptionalMfgFunction3
0x13	OptionalMfgFunction4
0x14	OptionalMfgFunction5
0x15	ConnectionToSMBus
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0x19	Usenext
0x1A	OKToUse
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0x2C	CapacityMode
0x2D	BroadcastToCharger
0x2E	PrimaryBattery
0x2F	ChargeController
0x40	TerminateCharge
0x41	TermminateDischarge
0x42	BelowRemainingCapacityLimit
0x43	RemainingTimeLimitExpired
0x44	Charging
0x45	Discharging
0x46	FullyCharged
0x47	FullyDischarged
0x48	ConditionningFlag
0x49	AtRateOK
0x4A	SMBErrorCode
0x4B	NeedReplacement
0x60	AtRateTimeToFull
0x61	AtRateTimeToEmpty
0x62	AverageCurrent
0x63	Maxerror
0x64	RelativeStateOfCharge
0x65	AbsoluteStateOfCharge
0x66	RemainingCapacity
0x67	FullChargeCapacity
0x68	RunTimeToEmpty
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0x6A	AverageTimeToFull
0x6B	CycleCount
0x80	BattPackModelLevel
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0x82	PrimaryBatterySupport
0x83	DesignCapacity

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0x85	ManufacturerDate
0x86	SerialNumber
0x87	iManufacturerName
0x88	iDevicename
0x89	iDeviceChemistry
0x8A	iManufacturerData
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0xD6	ThermistorCold
0xD7	ThermistorOverRange
0xD8	VoltageOutOfRange
0xD9	CurrentOutOfRange
0xDA	CurrentNotRegulated
0xDB	VoltageNotRegulated
0xDC	MasterMode
0xDD	ChargerBattery/HostControlled
0xF0	ChargerSpecInfo
0xF1	ChargerSpecRef
0xF2	Level2
0xF3	Level3