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When your code overgrows the size of your screen, it's always better to fold those completed blocks, and work in a clearer surrounding. Write function calls with one click of your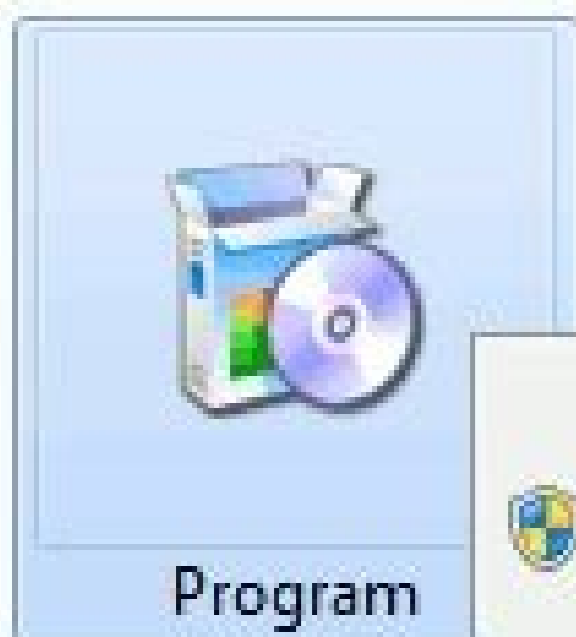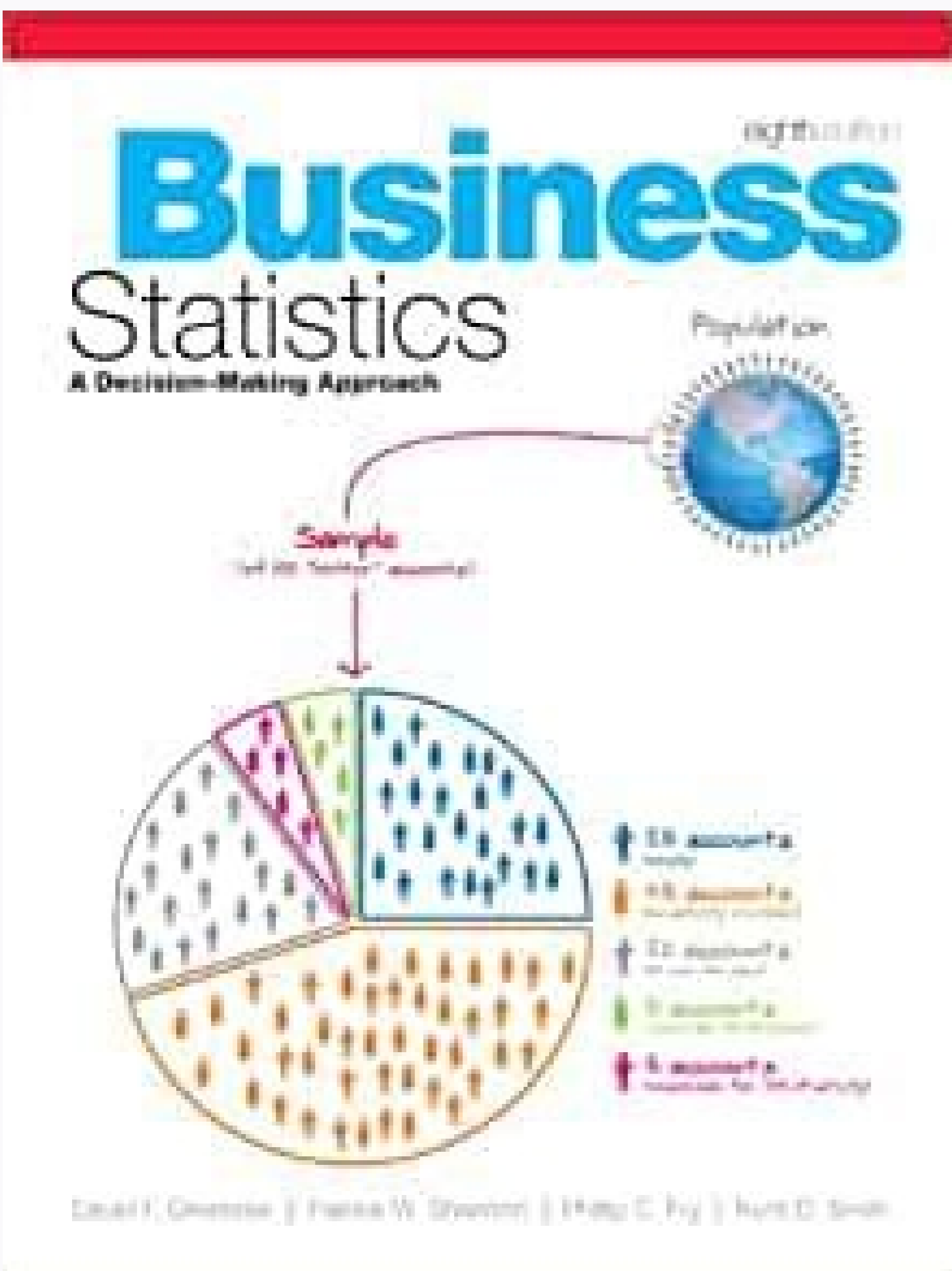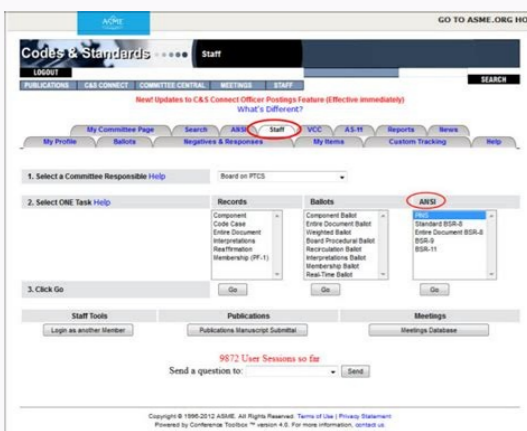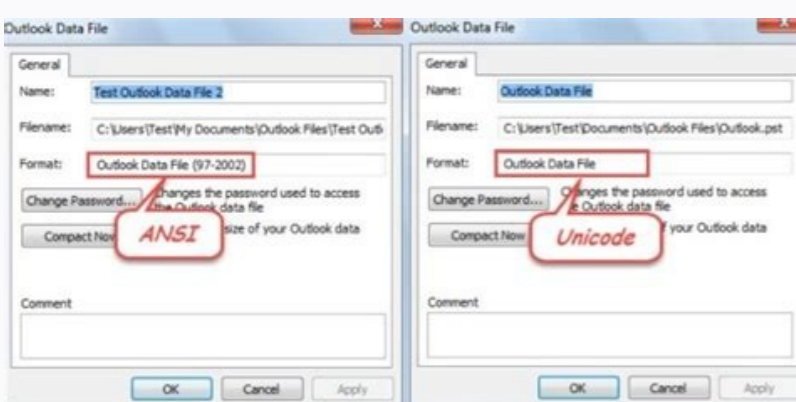 keyboard. With more than 1045 library functions you'll save time, effort and you'll write better code. Double click opens the project and sets it as active. Fixed: Problem with absolute and ldm specifier P16ENH. Program or debug directly from IDE, whether using CODEGRIP or mikroProg or tweak any of the advanced options (Power target circuit, Connection Speed and verifying MCU writes). Buy the compiler and the License Code will be sent to your inbox instantly. Cleaning changed from selecting specific files to selecting file types to clean. Fixed: Timer selection for PWM2 in PWM Remappable lib. New: Added standard headers assert.h and stdbool.h. New: USB library for PIC16F145x mcu. That is the whole process - your compiler license is activated. Focus on your code, and let the syntax write itself correctly. Learn more. You can keep track of things by checking the "Updates" and "New" tab inside the Libstock Manager. Drag and drop graphic elements while the compiler generates the code automatically in the background. In other words, you don't have to buy a compiler license for each person who will use it. Use your compiler license anywhere. Was it word, or byte? Any comment can become your multimedia event hook. Flexible: With the Site license, individual licenses are not tied to individual computers/users. Enter the Site License activation key in the License Manager application To give members of your team/class access, simply share IP address and/or PORT number of the Site License server (visible from within the application) To activate their compiler, members of your class/team connect to the server by entering the IP address and PORT number you gave them. mikroC PRO for PIC offers you several most useful integrated tools that will help you get the job done with minimum effort. Fixed: It is not possible to save a project group when projects were added from Project Explorer. Use the default layout of the IDE, or arrange the windows manually. Instead of buying several licenses at a regular price, use the Site License option and get licenses for your whole team or class at a special price. Improved URL for live update is retrieved from UpdateVersion.ini file. Modify the generated code in the compiler and create event functions. It is a powerful tool that visually describes most important information about your project. It's the quick and straightforward licensing option for this fast-paced world. New! PWM libraries for P12F1501, P16F1455, P16F1459, P16F1508, P16F1509. Start here with Quick Start Guide mikroC offers a unique mechanism to easily use

libraries in your project, just select the libraries you need and they will be instantly available in your code. You can also install and manage third-party libraries using our package manager and library manager. Fixed: "File Save As", "Project Save As" and "Save Project Group" give wrong file filters. I2C timeout implemented in all I2C libraries as requested on forum poll. Fixed: Search paths was not refreshed on starting IDE if "Search Path" window was opened when IDE was closed. Use Code Completion for all those times when you need to list identifier names that contain a certain word, or when you only know a part of the identifier name. CODEGRIP implementation is the newest addition to our PIC compilers with the release version 7.5.0. The ideal environment for you to write, compile, execute, and debug your code. Try it out for yourself and create fully functional GUIs with just a few clicks. Improved: Edit project and Interrupt Assistant implemented to accommodate Vectored Interrupts on PIC18FXXK42 and PIC18FXXK83 family of MCUs. DOWNLOAD Additional 189 MCU supported: P16F15313 P16LF1778 P18LF2423 P18LF4585 P16LF5323 P16LF1779 P18LF2431 P18LF45K40 P16F15324 P18LF18323 P18LF2450 P18LF45K42 P16F15325 P18LF18324 P18LF2455 P18LF4610 P16LF15344 P16LF18325 P18LF2458 P18LF4620 P16F15345 P16LF18326 P18LF2480 P18LF4680 P16F15356 P16LF18344 P18LF24K40 P18LF4682 P16F15375 P16LF18345 P18LF24K42 P18LF4685 P16F15376 P16LF18346 P18LF2510 P18LF46K40 P16F15385 P16LF18854 P18LF2515 P18LF46K42 P16F18855 P16LF18856 P16LF18855 P18LF2520 P18LF47K40 P16F19156 P16LF18856 P18LF2523 P18LF2610 P18LF6393 P16F19196 P18LF2525 P18LF55K42 P16F19175 P16LF18875 P18LF2533 P18LF56K42 P16F19176 P18LF2580 P18LF57K42 P16F19185 P16LF18877 P18LF2585 P18LF6310 P16F19195 P16LF19156 P18LF2523 P18LF2610 P18LF6393 P16F19196 P16LF19175 P18LF2620 P18LF6490 P16LF15313 P16LF19185 P18LF2680 P18LF6493 P16LF15323 P16LF19186 P18LF2682 P18LF6520 P16LF15324 P16LF19195 P18LF2685 P18LF6527 P16LF15325 P16LF19196 P18LF26K40 P18LF65K40 P16LF15344 P16LF19197 P18LF26K42 P18LF6622 P16LF15345 P18LF24K42 P18LF27K40 P18LF6627 P16LF15354 P18LF25K42 P18LF27K42 P18LF6628 P18LF25K83 P18LF4220 P18LF66K40 P16LF15356 P18LF6K42 P18LF4221 P18LF6722 P16LF15375 P18LF26K83 P18LF4321 P18LF15376 P18LF67K40 P16LF15385 P18LF45K42 P18LF4331 P18LF8310 P16LF15386 P18LF46K42 P18LF4410 P18LF8390 P16LF15354 P18LF47K42 P18LF4420 P16LF17764 P18LF8393 P16LF15375 P18LF55K42 P18LF4423 P18LF8410 P16LF15378 P18LF56K42 P18LF4431 P18LF8490 P16LF1614 P18LF1220 P18LF4450 P18LF8493 P16LF1614 P18LF1220 P18LF4455 P18LF8520 P16LF1773 P18LF4527 P16LF1618 P18LF1320 P18LF4458 P18LF8527 P16LF1618 P18LF1320 P18LF1619 P18LF4510 P18LF4627 P16LF1764 P18LF2220 P18LF4515 P18LF8628 P16LF1765 P18LF2221 P18LF4520 P18LF8720 P16LF1768 P18LF2320 P18LF4523 P18LF8722 P16LF1769 P18LF2321 P18LF4525 P18LF4723 P16LF1773 P18LF2331 P18LF4550 P16LF1776 P18LF2410 P18LF4553 P16LF1777 P18LF2420 P18LF4580 const value in definition files that represents offset between PORTx and TRISx registers (some GPIO related libraries didn't work for all MCUs) SYNC bit missing from definition files for P16(L)F177x IDE New: Libstock Manager added. Fixed: Removed space characters in front of line code When a bookmarked line is displayed in bookmark window. After you build your project, you can always look under the hood with mikroC's Advanced Statistics. Easily switch between the projects as often as you want. Fixed: In debug mode changing focus between editor and watch list was not momental (Insert, Delete key...). The number of licenses you own only defines how many compiler copies can be in active use at the same time. Control-space is probably the most widely used shortcut among programmers. USB Dongle license is the perfect solution. Select only among listed options, described in simple terms. Even more parameters. The compiler also includes the Interrupt Assistant, that can help you in configuring interrupts. Toolchain Vendor Device Pins Flash (KB) RAM (bytes) Clock (MHz) CODEGRIP mikroProg Datasheet Programmer Debugger Programmer Debugger The integrated solution allows for a streamlined workflow. Using Watch Clock you can precisely measure the code execution time in microseconds or in clock cycles. Now, with full CODEGRIP support implemented in IDE. Here you can select variable type, dimension, and add a volatile qualifier if needed. You can be part of the process by letting us know what microcontroller you wish to see supported next, by using our helpdesk and submitting a ticket. All from one place Simple and fast switch between design and coding Automated synchronization of edited event file with design, awareness and background compiler on generated code Automated synchronization of generated files with edited code, merge One project, One application with combined predefined visual and compiler settings on one place Easy switching from old projects Added site license activation Improvements: Export Project now export whole folder structure. HOW TO ACTIVATE YOUR COMPILER The regular licensing model for MikroElektronika software works best for individual users. Libstock Manager is constantly updated with new Click boards™. Fixes: UART_Remappable_Init sometimes not setting the correct baud rate PWM Remappable library added for P18F46J53 P16F1789 missing library support for PWM3 ADC library missing for P16F1847 New: Added site license activation. Improved: Clean Project Folder cleans whole folder structure. Code, compile, program, and debug – all in one environment. New! Pointer handling in watch window shows data it points to. Make the workspace comfortable and suited to your need. Added: IVT base address can be set from edit project (available only for MCU with Interrupt Vector Table) Fixed: RAM memory usage not displaying correctly for (PIC18FXXK42 and PIC18FXXK83) Some USB descriptors didn't have correct MikroE USB Vendor ID Version 7.3.0 Beta of mikroC, mikroBasic and mikroPascal for PIC has been released. The help file is the best place to start if you want to get to know the compiler. New! Additional TFT controllers supported: HX8347G (16-bit communication) ILI9340 (8-bit communication) ILI9481 (8-bit communication) New! Flash library for P12F1840, P12LF1840 and P16F721. Edit project includes predefined schemes of oscillator settings for most widely used microcontrollers. The USB Dongle contains a single license, it registers the compiler while it's connected. Fixes: Ctrl+space did not work with arrays without dimension in declaration Watch window elements with Inf or Nan values changed unexpectedly Watch windows throws unexpected error in certain case USART Terminal exceptions in various cases USART Terminal received data may be lost USART Terminal sending data slow Libraries Improvements: Added library for STMPE610 Added FLASH libraries for P16(L)F1902(3) Added new functions to Conversion library ByteToStrWithZeros ShortToStrWithZeros FloatToStr_FixLen Added Flash libraries for P12F617, P16F720, P16F721 Added function pointers in I2C libraries Timeout implemented in all I2C libraries New functions for Port Expander library I2C timeout implemented in all I2C libraries as requested on forum poll. Detect and correct all the code errors in seconds. Plug the USB Dongle into your computer and activate the license. Upgrading the compiler takes only a few minutes and a few clicks. mikroC PRO for PIC Pay once and never worry about it again. Simply select the libraries you need for your project, by checking the box. Just click on the checkboxes of the libraries you need and they will be instantly available in your code. It supports Step-over, Step-into, Step-out, Run, and Run To Cursor debugging operations. Schools and universities will get the best deals. You can also buy the Click board™ you want straight from the comfort of your IDE. mikroC comes equipped with fully-functional software tools that can boost your efficiency and do the job for you, so you can be more productive in your work: LCD Custom Character Tool, GLCD Bitmap Editor, Seven Segment Editor, UART Terminal, UDP Terminal, HID Terminal, ASCII Chart, Active Comments Editor, Interrupt Assistant, Advanced Statistics and much, much more. int addition bug (P16ENH family only) Project Explorer added stop active folder search option added folder up shortcut Library Manager added hint on function added drag and drop of function into editor New: Added Back and Forward navigation (similar to web browser navigation) Project Manager File handling (rename file directly from Project Manager, auto add of new file to project) New: Add local variable by identifier (CTRL+SHIFT+V) New: Wild Card '*' supported in code completition New: Wild Card '*' supported in Routine List New: Code completition handles 1 character permutation New: Synchronized editing Fixed: Proper channel cleaning prior to usage of ADC_Get_Sample() functions in ADC libraries for PIC16 and PIC18. Fixed: New lines at beginning of .dct files caused AV program issues. Add images, files and URLs to any active comment and assign events as you like.Right Mouse Click can open browser with URL, Mouse Over can display the image, and Double Click can make support for hardware debugging when used with the mikroProg in-circuit programmer and debugger. Once you activate the license you can use it on up to two computers. Fixed: Copying data arrays bigger than 255 bytes can lead to memory corruption for PIC16 ENH MCUs (mikroPascal and mikroBasic). ADC_Init_Advanced implemented in all ADC libraries as requested on forum poll. You don't have to scroll through help file,Just hit CTRL+SHIFT+SPACE and function parameters will be listed for you. New! Low level TFT Library functions are now open source, available for user editing (located in __Lib_TFT_Defs). Fixed: Statistics window did not always stayed on top. Visual TFT supports 17 TFT controllers and nine different touch panel controllers (both capacitive and resistive). New Project Explorer window leads you to your projects. Improved: MmcFat16 Library now works with cards formated on Windows 10 TFT and TFT16_bit libraries added for Enhanced PIC16 MCUs that meet memory requirements Port Expander library furnished with additional functions: Expander_SetBits Expander_ToggleBits Expander_ClrBits Expander_SetBit_PortA Expander_ClrBit_PortA Expander_ToggleBit_PortA Expander_SetBit_PortB Expander_ClrBit_PortB Expander_ToggleBit_PortB Expander_Set_OutputDirPortA Expander_Set_InputDirPortA Expander_Set_OutputDirPortB Expander_Set_InputDirPortB Fixed: Flash Write fixed for PIC18FxxK40 MCUs Some PWMx_Stop procedures were stopping the timers also causing other PWM modules/channels to stop also Version 7.1.0. of mikroC, mikroBasic and mikroPascal for PIC has been released today, together with the update to mikroProg Suite. Fixed: USB library, now is possible to use more than 3 string descriptors. New! ADC libraries for P18F24K50, P25K50 and P18F45K50. The compiler license guarantees free product lifetime technical support. Notice: Visit LibStock and download fully functional and working projects, and install them with a single click. Fixed: Closing file while compile is in progress caused IDE to crash. You will not be tied to one computer or one office. Upgrading improved win7 and Win8 .chw files ignored when opening package help files from library manager. Only mikroC offers the unique mechanism to easily use any available library in your project. Improved Project Manager nodes expanded only when project is set to be active. Simply load your desired scheme, and you are ready to go. PWM Stop (where multiple PWM modules use same timer) doesn't stop the timer module. Fixed for multiple MCU OPA3CON register and bits missing from P16(L)F178x TxTMR and TMRx register naming unification for P16(L)F161x Bad RAM scopes sometimes included more (+1) then it should IDE New features: Visual TFT integrated into compiler IDE Design, Code, Compile, Debug, Program... We will send you the Registration code as soon as you purchase the compiler, which you will use to request the Activation code. Libstock Manager is the newest addition to our PIC compilers with the release version 7.2.0. Visiting Libstock, searching for the Click board™ you want, downloading the packages and so forth, all those tasks are not necessary now, we brought Libstock closer to you - everything is right there inside your compiler. Manage all your data quickly and easily. Choose the development board, and you'll soon see that the rest of the tools are perfectly arranged around it. New! Code assistant (CTRL+SPACE) for pointer to structures. It even displays ASCII values of your bytes. Every single library that is in our compiler is covered by a working example. You can use it on up to two computers. Improved Allocation of locals to registers. No need for dozens of #include directives. New! Allocation of locals to registers. We have developed Active Comments - a unique feature of mikroC PRO for PIC. Compiler ICD support for additional 35 MCUs: P16F1508 P16F18344 P16LF18313 P16F1509 P16F18345 P18F24K40 P16F1773 P16F18346 P18F25K40 P16F1776 P18F25K40 P16F1777 P16F18855 P18F27K40 P16F1778 P16F18856 P18F46K40 P16F18313 P16F18875 P18F47K40 P16F18323 P16F18375 P18F65K40 P16F18324 P16F18877 P18F66K40 P16F18325 P16LF1508 P18F67K40 P16F18326 P16LF1509 Version 7.1.0. of mikroC, mikroBasic and mikroPascal for PIC has been released on March 16, together with the update to mikroProg Suite. mikroLab contains everything a developer needs to explore the possibilities of the microcontroller architectures we offer: a development board (with integrated programmer and debugger), the compiler license, an assortment of accessories, and as a bonus, a free license for one of our GUI design tools (either Visual TFT or Visual GLCD). Fixed: Running compiler IDE without administrator rights on Windows 8 caused live update not to work. You can launch it from the drop-down menu Tools › Interrupt Assistant. Edit Project gives you a full overview of the entire set of configuration bits in each chip. You don't ever have to get another Syntax error message. Improved: Export Project now export whole folder structure. So, we even have the hardware prepared for your next graphic project. Fixed: Problem for interrupt P16 in higher page. SITE LICENSE Own, manage, and deploy multiple software licenses. More than 153 ready-made working examples, to help you understand how the library works or give you useful code snippets for your project. New! Code assistant (CTRL+SPACE) for pointer to structures. PIC16LF1713 PIC18LF45K50 PIC12F1572 PIC16F1719 PIC16LF1716 PIC12F1612 PIC16F1784 PIC16LF1717 PIC12LF1501 PIC16F1786 PIC16LF1718 PIC12LF1571 PIC16F1787 PIC16LF1719 PIC12LF1612 PIC16F1788 PIC16LF1784 PIC12LF1612 PIC16F1612 PIC16F753 PIC16LF1788 PIC16F1513 PIC16HV753 PIC16LF1789 PIC16F1613 PIC16LF1454 PIC16F65J94 PIC16F1703 PIC16LF1512 PIC18F66J94 PIC16F1704 PIC16LF1513 PIC18F67J94 PIC16F1705 PIC16LF1613 PIC18F85J94 PIC16F1707 PIC16LF1703 PIC18F86J94 PIC16F1708 PIC16LF1704 PIC18F87J94 PIC16F1709 PIC16LF1705 PIC18F95J94 PIC16LF1713 PIC18F96J94 PIC16LF1716 PIC16LF1708 PIC18F97J94 PIC16LF1709 PIC16LF1717 PIC16LF1709 Improved Improved linkage. We are constantly adding new features to the compiler, you can keep track of what is happening on the Software Roadmap page. See which function calls which in the functions tree window. First, enter the desired variable's name in the Code Editor. Fixed: Linkage of bit type locals variables. Simply click on the "Buy HW" button once you have selected a particular click board™. Improved Added new function for setting state of CANTX pin in CAN Library. It's an application that runs a server from your computer. Fixed: Creating project which name which starts with a digit. Fixed: Issue with setting MCU frequency. Seamlessly switch between designing and coding using keyboard shortcut F12. And don't worry about the code, the compiler will take care of that. It allows you to own, manage and deploy multiple single licenses, with some major benefits: Affordable: Instead of buying multiple licenses at regular price, we will quote a special discounted price. Compiler Additional 40 MCUs supported: P10F320 P16F18854 P10F322 P16F18855 P10LF320 P16F18856 P16LF322 P16F18857 P16LF334 P16F18875 P16F15354 P16F18876 P16F1773 P16F18877 P16F1776 P16LF1567 P16F1778 P16LF18313 P16F1779 P18F24K40 P16F18313 P18F25K40 P16F26K40 P16F18324 P18F27K40 P16F18325 P18F45K40 P16F18326 P18F46K40 P16F18344 P18F47K40 P16F18345 P18F65K40 P16F18346 P18F66K40 P18F67K40 P16F2550 Fixes: Config register bit description "Block 3 not code protected" two times. Fixed: Shifting of signed operands algebric simplification error. After pressing the OK button, a variable declaration will be placed. Active Comment Editor ASCII chart Export Code To HTML Tool GLCD Bitmap Editor HID Terminal Interrupt Assistant LCD Custom Character Manual Seven Segment Editor UDP Terminal USART Terminal USB HID Bootloader Your fast pocket converter of binary, float, HEX and Radix 1.15 formats into formats you need in your code. Special OneClick technology allows you to speed up your development. Then select this option from Edit menu (Shift+Ctrl+V). Browse and Install Libstock packages directly from compiler. Also, debugger supports standard and advanced breakpoints, which enable you to exploit the full potential of fast debugging. Once an individual user finishes his work session, the user slot becomes available again New: Added PWM library for PIC16F1503 and PIC16F1507 Fixed: Pin initialization in PWM3 for PIC18FxxK22 Fixed: PIC16F1503 now use correct flash library New: Additional 19 MCU supported: PIC12F1501 PIC16F1455 PIC16F1459 PIC16F1508 PIC16LF1455 PIC16LF1459 PIC16F1509 PIC16LF1455 PIC16LF1507 PIC16LF1508 PIC16LF1782 PIC16LF1783 PIC16LF1509 PIC16F1782 PIC18F24K50 PIC18F45K50 PIC18F66J99 PIC18LF25K50 New! Initializer of local variables can be variable expression Fixed: Const Folding of ternar operator Fixed: Handling of void in expressions Fixed: Anonymous union definition and tag definition conflict Fixed: Handling of pointers to functions stored in FLASH (PIC16 only) New! Live update support New! Added shortcut button for Package examples. You can add: Easily declare a local variable. But simply point the path to any other folder and fast recursion-search algorithm will extract all of projects inside and will display a tree view of your project files up to any depth. Let them come to you. New! Flash library for P12F1501. Choose this licensing option if you want to activate your compiler license in seconds. Navigate through all the projects you are working seamlessly and save time with the intuitive IDE of the mikroC compiler. Why? Fixed: Active comment starts with a digit caused IDE to crash. Improved T6963C, SPI_T6963C and S1D13700 libraries supporting invert color. The mikroC PRO for PIC currently supports over 808 MCUs and we are constantly adding new ones. Save time and focus on making your graphic design the best possible. Because it initiates Code Assistant - programmer's first aid kit. Visit LibStock and download fully functional and working projects, and install them with a single click. Simply type * in the Code Editor, followed by the phrase, and presses Ctrl+Space - a list of identifiers containing this phrase will be shown. Added: IVT_DEFAULT constant to facilitate handling of unused interrupt vectors (PIC18FXXK42 and PIC18FXXK83) Fixed: Error in jump address calculation when MOVFFL instructions are implicitly used in code. The easy-to-read format and detailed explanations of every functionality and feature will make you an expert in no time. See how big are your functions and how are they linked in memory, which is especially important if you want to write your own bootloader applications. Clean Project Folder cleans whole folder structure. This way you can always see the big picture. Fixed: Fixed case sensitive system libraris caused compiler to fail New: Additional 8 MCU supported: PIC16F1574 PIC16F1575 PIC16F1579 PIC16F1764 PIC16F1765 PIC16F1768 PIC16F1769 Fixed: divide simplified toi shift bug (P16ENH family only) Fixed: long vs. If you run a two-person team, a whole R&D department, or teach a class, the Site License is a better solution. Debugger is a separate DLL module which supports Step-over [F8], Step-into[F7], Step-out(Ctrl+F8], Run[F6], Run To Cursor[F4] debugging operations. Release date: 22.10.2019 Ide build 7.60 cmd line build 7.60 DOWNLOAD Added: Added software breakpoint support for virtually unlimited amount of breakpoints Visual TFT board (3,4,5 and 7) definitions added for EasyPIC PRO v8 - PIC18F97J94 Three additional programming modes via CODEGRIP Vpp first entry mode Vdd first entry mode Low voltage Compiler ICD support for additional 21 MCUs added (through CODEGRIP): P16F15385 P16F15386 P18F55K42 P18F56K42 P18F57K42 P18F65J94 P18F66J93 P18F66J94 P18F67J94 P18F85J94 P18F86J72 P18F86J93 P18F86J94 P18F87J72 P18F87J94 P18F95J94 P18F96J94 P18F97J94 P18LF55K42 P18LF56K42 P18LF57K42 Fixed: Calling initialization of remappable modules sometime causes failed builds Added constants BRGH and BRG16 in definition files necessary for UART initialization Libraries Added: Additional functions in CString library: str_cut str_replace_chr str_cut left str_cut_right str_split str_insert_chr Added: Additional functions in Conversions library: StrToByte StrToShort StrToInt StrToWord StrToLong StrToFloat HexToByte HexToWord HexToLong HexToShort HexToLongInt HexToLongInt Added: Read pixel routine added to TFT library which is one of the most requested improvement from our "Most desired upgrades and enhancements for MikroE compilers" topic on our forum. Our support team is always available – you can rely on our help while you are developing. If you are looking for a portable license that can be used on different computers the USB Dongle license is what you need. If you want to go through your code and monitor the values of your variables searching for bugs and errors, Software Simulator is the best way to do so. DOWNLOAD Compiler Fixed: Incorrect implementation of PIC18FXXK83 and PIC18FXXK83 resulting in multiple libraries not working correctly. Don't waste your time browsing for examples. Software simulator supports all debugging modes as hardware debugger, but instead of executing the code on real hardware, it simulates code flow on your PC. Once you buy the compiler you are entitled to lifetime free upgrades. You control who has access. The new version was released to add ICD support for 35 new MCUs. List available below. It displays all of compiler's many included examples by default. With the integrated Visual TFT you can create amazing user interfaces, simply drag and drop visual elements and the compiler will generate the code for you. Fixed: Flash/EEPROM Global Interrupt Enable (GIE) value was not preserved during read/write for some PIC families of MCU UARTS remappable wrong read register - PIC18(L)F6xK40 Improved: Improved speed for parallel communication procedures - 8-bit mode for SSD1963 TFT controller Added Interrupt enable for SPI communication - PIC18(L)F26/27/45/47/55/56/57K42 Examples Added: Set of examples for EasyPIC PRO v8 Memory Manager mC, mP, mB CAN example for EasyPIC v8 Expanded: Added new functions in examples for Conversions and (C)String DOWNLOAD CODEGRIP support implemented in IDE (program, debug and advanced options) program debug advanced options (Protocol, Connection, Reset Type and many others) New Capacitive touch controllers supported in VisualTFT: FT5X06 FT5X16 FT5X26 FT5X46 New screen events introduced for FT5XXX capacitive touch controllers (in VisualTFT): Swipe Up Swipe Down Swipe Left Swipe Right Zoom In Zoom Out Compiler ICD support for additional 57 MCUs added: P16F15313 P16F19155 P16LF1764 P16F15323 P16F19156 P16LF1765 P16F15324 P16F19175 P16LF1768 P16F15325 P16F19176 P16LF1769 P16F15344 P16LF15313 P16LF15386 P16LF15323 P16LF19156 P18F15354 P16LF15325 P16LF15375 P16LF19176 P16F15324 P18F26K42 P16F15375 P16LF15344 P18F46K42 P16F15376 P16LF15354 P18F27K42 P16F15376 P16LF15378 P18F47K42 P16F15384 P16LF15375 P18F48K42 P16LF1574 P18LF27K42 P16F1765 P16LF1575 P18LF45K42 P16F1768 P16LF1578 P18LF46K42 P16F1769 P18LF47K42 Libraries TFT touchpanel library covering new touchpanel circuit logic on v8 development boards, alias TFT_TouchPanel_TC (transistor controlled) Capacitive touch controller library (FT5X06, FT5X16, FT5X26, FT5X46) Examples Added: Set of examples covering new EasyPIC v8 development board Added: Set of examples covering internal MCU modules for P18F47K42 (default MCU for EasyPIC v8 development board) DOWNLOAD Added: _DMA_ define for MCUs supporting DMA. What's the point of a compiler if you have to do all the hard work yourself. Many functions. Once you purchase a given number of compilers, we will send you the installation for the Site License Manager (available for Windows and Linux). Added: Support for Vectored Interrupts on PIC18FXXK42 and PIC18FXXK83 family of MCUs. Improved: Optimized usage of MOVFFL in favour of MOVFF resulting in smaller footprint. As we always think one step ahead, we programmed Library manager to allow easy usage of third party libraries installed with Package Manager software. Code assistant in mikroC PRO for PIC also suggests correct names of constants, URLs, Active comments and variables, so you have it all covered. Also, the debugger supports standard and advanced breakpoints, which enable you to exploit the full potential of hardware debugging. No one needs to memorize function names. Or press the "Check All" button to include them all. Fixed: Creating project with empty name. New! Function pointers show the name of the function currently pointing at. New! Value hint in debug mode for pointers shows data it points to. USB DONGLE Do you need a portable license, that can be used on multiple computers? mikroC PRO for PIC has native support for hardware step-by-step In-Circuit Debugger when used with fast USB 2.0 mikroProg™ programmer (in both on-board and standalone version). Fixed: PIC18F6273 now support 2 MSSP modules. Take a look at your variables, arrays and constants and know how much memory your program consumes.

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